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TELEGRAPHIC ADDRESS:  
"CHEMICUS CANNON LONDON."

**Established in  
[AUSTRALASIA, 1885.]**

No. 1,710. VOL. LXXXI.

NOVEMBER 2, 1912.

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Our 1912 Design for Serving Counter and Showcases combined: comprising 2 mahogany plate-glass Showcases 3 ft. long by 5 ft. 6 in. high. Plate-glass mirror backs and plate-glass shelves, all glass Serving Counter with mirror ends and opening at back with mirror doors—Interior fitted with 2 rows of polished edge plate-glass shelves on standard bar and adjustable brackets. End showcases fitted with drawers at back, desk slope and wrapping shelves.

8 ft. long, complete	£29 0 0	12 ft. long, complete	£36 10 0	Other sizes to order.
10 ft. " "	31 10 0	14 ft. " "	42 0 0	
11 ft. " "	34 0 0	16 ft. " "	47 10 0	

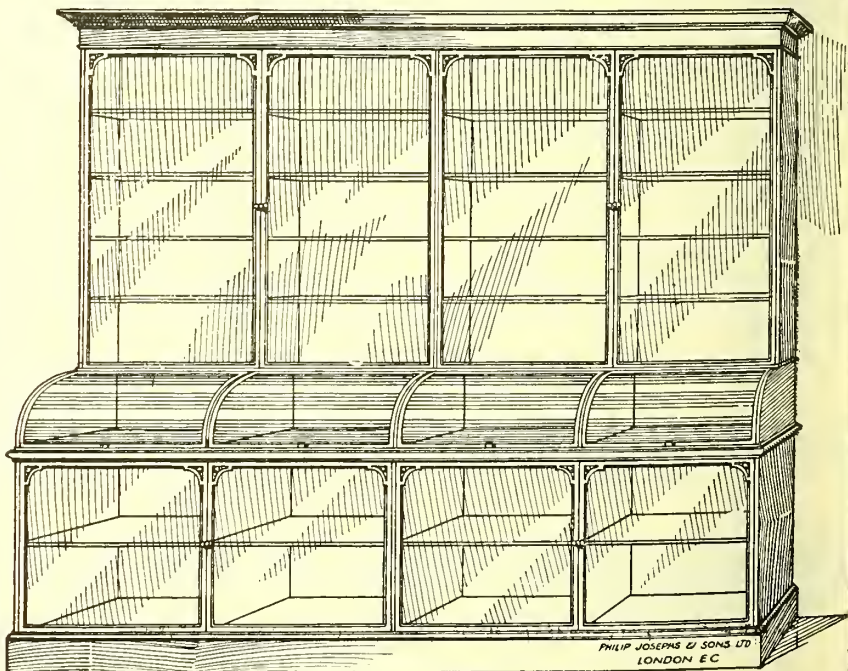
## WALL CASE.

No. 79.

### SPECIFICATION.

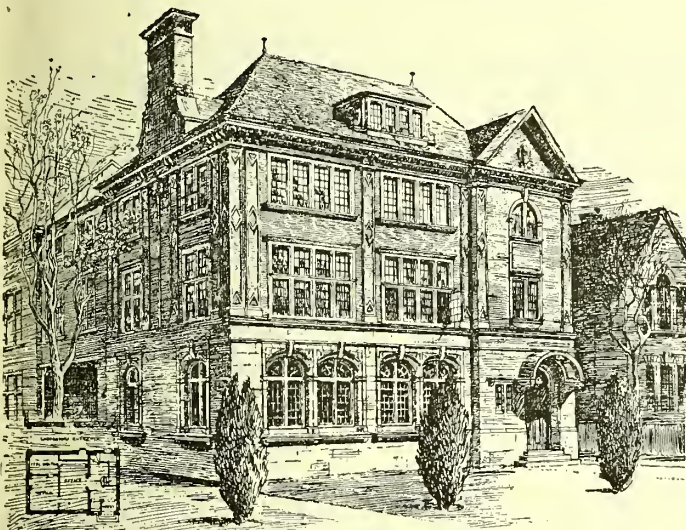
Constructed of solid Mahogany, with cases in three heights. The upper and lower cases are glazed with selected 21-oz. glass, and fitted inside with adjustable polished edge wood shelves. The bent centre case opens with lift-up plate glass falls, and is lined with silvered plate glass at back.

4 ft. long × 9 ft. high	£10 17 6
5 ft. " "	12 15 0
6 ft. " "	14 15 0
7 ft. " "	17 0 0
8 ft. " "	19 10 0
10 ft. " "	22 10 0
12 ft. " "	25 0 0
14 ft. " "	30 10 0



No. 79.





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Reproduced from the original drawing in the Royal Academy, 1910.



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VIBRONA is now in universal demand and every Chemist holding a wine licence can secure a rapid and profitable turnover by keeping VIBRONA well to the front.

The following are our fixed Minimum Wholesale Prices and terms for

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CASES containing 1 dozen, 36/- per case net, carriage *forward*.

Two CASES each containing 1-dozen, 36/- per case net, Carriage *paid*.

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TWELVE CASES (36 dozen)—5 per cent. discount and carriage paid.

*VIBRONA is on the P.A.T.A. List.*

*The Minimum Retail Price is 3/9 per bottle.*

It will be seen that the profit on a single case of 3-doz. VIBRONA is £1 10s., and if advantage be taken of our maximum discount of 5 per cent. for twelve cases, the profit realised on the sale amounts to **over £21**. Some Chemists get through the latter quantity several times during the year, and there are few who cannot sell one case per month.

Terms for Export, with Special c.i.f. Rates to any port in the world, may be obtained on application to the Sole Proprietors, FLETCHER, FLETCHER & CO., Ltd., Holloway, LONDON, N.



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**PURE**

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Ref. No.		Wholesale Price per doz.	Retail Price per Box.
531	Savon Violette de Nice, 3-tablet box ... ..	4/6	6d.
951	Season's Greetings, box containing 5 tablets assorted Milled Soaps ... ..	4/9	6d.
	Visitors' Tablets, packets containing 6 Bijou tablets richly Perfumed, viz.:—		
952	"Throne" packet ... ..	4/-	6d.
953	"Rivera" Elite packet ... ..	4/-	6d.
954	"Rivera" Violets packet ... ..	4/-	6d.
955	"Alicia" red and gold box, containing 2 tablets of "Alicia" and a bottle of "Alicia" Bouquet Perfume ... ..	7/6	10½d.
956	"Rivera" decorative box, containing 2 tablets of "Rivera" and a bottle of "Rivera" Perfume ... ..	9/-	1/-
957	"Rivera" Violets, decorative box, containing 2 tablets of "Rivera" Violets and a bottle of "Rivera" Perfume ... ..	9/-	1/-
958	Decorative Box, containing 2 tablets of "Throne" and a bottle of "Throne" Perfume ... ..	9/-	1/-
959	"Rivera" Casket, containing 2 tablets of "Rivera" and a shilling bottle of Perfume ... ..	14/-	1/6
960	"Throne" Casket, containing 2 tablets of "Throne" and a shilling bottle of Perfume ... ..	14/-	1/6
961	Baby's Own Toilet Box, containing 2 tablets of Baby's Own Soap—"Dorina"; 1 bottle of Baby's Own Perfume; 1 box of Baby's Own Toilet Powder ... ..	15/-	2/-
962	Gentleman's Clove Box, containing "Solace" Shaving Stick; Box of "Solace" Face Powder; Bottle of "Solace" Brilliantine; Cake of "Lasso" Soap ... ..	15/-	2/-
963	Gentleman's Toilet Casket, containing "Solace" Shaving Cake; box of "Solace" Face Powder; Bottle of "Solace" Brilliantine; 2 tablets of "Alicia" Toilet Soap ... ..	16/-	2/-
964	Lady's Clove Box, containing tablet of "Throne" Toilet Soap; Bottle of "Throne" Perfume; Bottle of "Throne" Smelling Salts; Box of "Throne" Toilet Powder; Tin of "Royalist" Tooth Powder ... ..	21/-	2/6
436	"Savon de Luxe" Exclusif (Olde English Lavender), 3 tablet boxes of exquisitely perfumed Soap of the very highest quality ... ..	24/-	3/-

### SPECIAL BONUS OFFER.

With every order of the value of £1, a 6-tablet box of "Alicia" will be enclosed free.

With order value 30/- one 12-tablet box of "Alicia" free.

With order value 60/- two 12-tablet boxes of "Alicia" free.

With order value £5 four 12-tablet boxes of "Alicia" free.

"Alicia" tablets are delightfully fragrant and retail at 2d. each, so that the Bonus on a £5 order is equal to 8/-; and as the Profit on the Christmas lines is from 30% to 40% on the outlay, we can recommend them to you with every confidence.

N.B.—In order to secure the Bonus, orders must reach us by the 7th December, 1912.

We pay carriage on Xmas Toilet Soaps, quoted on this List, to any Railway Station in the United Kingdom, on orders of the value of £1 and upwards.

**Edward Cook & Co., Ltd.,** **THE**  
**BOW, LONDON, E.** **SOAP SPECIALISTS,**

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EAST, 1808 (4 lines).

Telegraphic Address:  
"CUTANEOUS LONDON."



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BRANCH OFFICES: MELBOURNE, SYDNEY, AND ADELAIDE, AUSTRALIA.

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Levermore, A., & Co., Ltd.  
Mumford, G. S., & Sons  
Nichols Chemical Co., Ltd.  
Sturge, John & E., Ltd.

**CHEMICALS**

Blythe, William & Co., Ltd.  
Boehringer, C. F., & Soehne  
Bramwell, E., & Son  
British Drug Houses Ltd., The  
Brunner, Mond & Co., Ltd.  
Burgoyne, Burdidges & Co.  
Burroughs, Wellcome & Co.  
Corbyn Stacey & Co., Ltd.  
Electrolytic Alkali Co., Ltd.  
Evans Sons Lescher & Webb, Ltd.  
Harrington Bros., Ltd.  
Hoffmann-La Roche Chem. Wks., Ltd.  
Howards & Sons, Ltd.  
Johnson & Sons (Mfg. Chts.)  
Knoll & Co.  
May & Baker, Ltd.  
Merck, E.  
Pointet & Girard  
Sturge, John & E., Ltd.  
Tyrer, T., & Co., Ltd.  
Washington Chemical Co., Ltd.  
White, A., & Sons  
Widenmann, Broicher & Co.  
Zimmermann, A. & M.

**CHEST AND LUNG**

PROTECTORS  
Cnuxon, Gerrard & Co., Ltd.

**CHEWING GUM**

Allen, Samuel, Ltd.  
Tutti-Frutti Sen-Sen Co., Ltd.  
Wrigley's, Ltd.

**CHLORIDE OF LIME**

Brunner, Mond & Co., Ltd.  
Electrolytic Alkali Co., Ltd.  
United Alkali Co., Ltd.

**CHLORODYNE**

Davenport, J. T., Ltd.  
Freeman's Chlorodyne, Ltd.

**CHLOROFORM**

Alliance Drug & Chem. Co.  
Burroughs Wellcome & Co.  
Bush, W. J., & Co., Ltd.  
Dunoon, Flockhart & Co.  
Macfarlan, J. F., & Co.  
May & Baker, Ltd.  
Smith, T. & H., Ltd.

**CIGARS AND CIGARETTES**

Singleton & Cole, Ltd.

**CITRIC ACID AND CITRATES**

British Drug Houses, Ltd., The  
Burgoyne, Burdidges & Co.  
Howards & Sons, Ltd.  
Sturge, John & E., Ltd.

**CLINICAL THERMOMETERS**

Burge, Warren & Ridgley, Ltd.  
Maw, S., Son & Sons  
Perken, Son & Co., Ltd.  
Powell, J. T., & Co.  
Raphael's, Ltd.  
Zeal, G. H.

**CLIPS**

Renter, R. J.

**CLOTH BALLS**

Senior, Alf., & Co.  
Zetts, O'Neil, & Co.

**COAL TAR SPECIALITIES**

Wright, Layman & Umney, Ltd.

**COCKROACH PASTE**

Howarth & Fair

**COCOA**

Cadbury Bros., Ltd.

**COD LIVER OIL**

British Drug Houses, Ltd., The  
Charity, W., & Sons  
Evans Sons Lescher & Webb, Ltd.  
Lorimer Marshall, Ltd.  
Sparks, White & Co., Ltd.  
Wright, Layman & Umney, Ltd.

**COLD CREAM**

Barnetts Perfumery, Ltd.

**COLLAPSIBLE TUBES**

Betts & Co.

**COMBS**

Hovenden, R., & Sons, Ltd.  
Renter, R. J.

**COMPLEXION SPECIALITIES**

Rubinstein, Madame H.

**CONDENSERS**

Bennett, Sons & Shears, Ltd.

**CONFECTIONERY COLOURS**

Bush, W. J., & Co., Ltd.

**CONFECTIONERY, MEDICATED**

Gnest, Thos., & Co.

**CONTINENTAL PROPS.**

Wilcox, Joesau & Co.

**COPPERSMITHS**

Braithwaite, H., & Co.

**CORKS**

Mitchell, N. W., & Sons, Ltd.

**CORN EXTERMINATOR**

Gardner

**CORN PLASTERS**

Solport Bros.

**COUNTER ADJUNCTS**

Evans Sons Lescher & Webb, Ltd.

**COUNTER SPECIALITIES**

Allen & Hanburys, Ltd.  
British Drug Houses, Ltd., The  
Burgoyne, Burdidges & Co.  
Hewlett, C. J., & Sons, Ltd.  
Wright, Layman & Umney, Ltd.

**COURT PLASTER**

Solport Bros.

**CREOSOTE**

Baiss Bros. & Stevenson, Ltd.  
Burt, Boulton & Haywood, Ltd.

**CREPE BANDAGES**

Burge, Warren & Ridgley, Ltd.  
Gimber, W., & Son  
Leslies, Ltd.  
Norwich Crêpe Co. (1856), Ltd.  
Wood, Vincent

**CYANIDES**

May & Baker, Ltd.

**DAIRY SPECIALITIES**

Fullwood, R. J., & Bland  
Oldfield, Pattinson & Co.

**DECOCTIONS, &c., CONCENT**

Wyleys, Ltd.

**DENTAL MECHANICS**

Cullwick, H. E.  
Fentiman, A. G.  
Fentiman, A. J., & Co.  
Garthwaite, H.  
Halder, E. O.  
Wardale, F. O., & Co.

**DENTAL TOOLS, ETC.**

Plucknett, C. J., & Co., Ltd.

**DENTIFRICES**

Beecham, T.  
Bell (John), Hills & Lucas, Ltd.  
Blackie, Robert  
Calvert, F. C., & Co.  
Christy, T., & Co.  
Cook, E., & Co., Ltd.  
Enoryl, Ltd.  
Jewsbury & Brown  
John Strange Winter  
Mason Bros. & Chapman  
Maw, S., Son & Sons  
Newbery, F., & Sons, Ltd.  
Odol Chemical Works  
Parke, Davis & Co.  
Reidel, J. D., & Co.  
Sangers'  
Standard Tablet & Pill Co., Ltd.  
Woolley, J., Sons & Co., Ltd.

**DEVELOPERS (PHOTO)**

Evans Sons Lescher & Webb, Ltd.  
Express Developing Co.  
Johnson & Sons (Mfg. Chts.)

**DEXTRINE**

Fink, F., & Co.

**DIABETIC FOODS**

Van Abbot, G., & Sons

**DISINFECTANTS**

Baiss Bros. & Stevenson, Ltd.  
Burt, Boulton & Haywood, Ltd.  
Calvert, F. C., & Co.  
Condy & Mitchell, Ltd.  
Cook, E., & Co., Ltd.  
Ellison, Henry, Ltd.  
Pearson's Antiseptic Co., Ltd.  
Sanitas Co., Ltd.  
Willows, Francis R. & T.  
Wright, Layman & Umney, Ltd.

**DISINTEGRATORS**

Hardy Patent Pick Co., Ltd.

**DRUGGISTS' SUNDRIES**

Ayrton, Saunders & Co., Ltd.  
Barclay & Sons, Ltd.  
Berliner, Arthur  
Burge, Warren & Ridgley, Ltd.  
Bush, H. W., & Co., Ltd.  
Christy & Co.  
Edwards, W., & Son  
Evans Sons Lescher & Webb, Ltd.  
Hovenden, R., & Sons, Ltd.  
Mason, R.  
Maw, S., Son & Sons  
May, Roberts & Co., Ltd.  
Newbery, F., & Sons, Ltd.  
Pothe, H., & Co.  
Queloh, H. C., & Co.  
Renter, R. J.  
Sangers  
Schutze, F., & Co., Ltd.  
Solport Bros.  
Swales, Thomas  
Toogood, W., Ltd.  
Wattenbach, O.  
Woolley, J., Sons & Co., Ltd.

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Brook, Parker & Co., Ltd.  
Gathergood's Exor.  
Goodhall, Backhouse & Co.  
Parkinson-Worswick, J.  
Potter & Clarke, Ltd.  
Ransom, W., & Son  
Schmitt & Willenhayn  
Sparks, White & Co., Ltd.

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Clemons, Marshall & Carbo

**EAU DE COLOGNE**

Bronnley, H., & Co., Ltd.  
Farina, J. M.  
Farina, J. M. (No. 4)  
Fickus, Courtney & Co.  
McCracken, J. & R.  
Reuter, R. J.  
Schutze, F., & Co., Ltd.  
Spurway & Cie., Ltd.

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Birmingham & Midland O. S.  
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Elt's College  
Glasgow School of Pharm.  
Liverpool School of Pharm.  
London College of Pharm.  
North of England School  
Northern College of Pharm.  
School of Pharmacy  
South of England College  
Westminster College

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Allen & Hanburys, Ltd.  
Bishop, Alfred, Ltd.  
Bristol-Myers Co.  
Cupal, Ltd.  
Wright, Layman & Umney, Ltd.  
Wyleys, Ltd.

**ELASTIC CORDS**

MacLennan, John, & Co.

**ELASTIC HOSIERY**

Ayrton, Saunders & Co.  
Burge, Warren & Ridgley, Ltd.  
Haywood, J. H., Ltd.  
Maw, S., Son & Sons  
Surgical Hosiery Co., Ltd.  
Wood, Vincent

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General Electric Co., Ltd.

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General Electric Co., Ltd.  
Millard Bros., Ltd.  
Ward & Goldstone  
Wright, Archibald J., Ltd.

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Oakey, J., & Son, Ltd.

**EMETINE SALTS**

Whiffen & Sons, Ltd.

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Bennett, Sons & Shears, Ltd.

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Angier Chemical Co., Ltd.  
Ayrton, Saunders & Co., Ltd.  
Baiss Bros. & Stevenson  
Boulton Macro, Ltd.  
Burgoyne, Burdidges & Co.  
Cupal, Ltd.  
Lorimer Marshall, Ltd.  
Scott & Bowne, Ltd.  
Stevenson, H. E., & Co.

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Burge, Warren & Ridgley, Ltd.  
Ingram, J. G., & Son  
Maw, S., Son & Sons  
Newbery, F., & Sons, Ltd.  
Warne, W., & Co., Ltd.



**SALTS**  
ds & Sons, Ltd.

**CEES, SOL. AND FRUIT**  
e Drug & Chem. Co.  
t & Foster  
Roberts & Co., Ltd.  
W. J., & Co., Ltd.  
fm., Ltd.  
Essence Co.  
ll & Mason  
on & Howell, Ltd.

**ES, CONCRETE**  
y & Cie., Ltd.

**PTUS OIL**  
Drug Houses, Ltd., The

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**T OF HERBS**  
l & Mason  
& Clarke, Ltd.

**TS (MEDICINAL)**  
Stafford & Sons, Ltd.  
ghs, Wellcome & Co.  
ons Lescher & Webb, Ltd  
oods Exor.  
C. J., & Son, Ltd.  
Davis & Co.  
W., & Son

**Y, & C., SITES**  
Western Railway  
estern Railway

**PAPER**  
ie, Burdidges & Co.

ld Filter Co., Ltd.

**CHERS**  
ne Co. (British), Ltd.  
ngh, J., & Co.  
Jno. H., & Co.  
Christy  
ge & Wright

**INVALID, ETC.**  
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Barrett, Ltd.  
hn), Hills & Lucas, Ltd.  
s Food, Ltd.  
Ltd.  
Co., Ltd.  
e, Burdidges & Co.  
thnr H., & Co., Ltd.  
Logan & Co., Ltd.  
d Bros. & Foster  
Malated Milk Co.  
George, & Son  
and Oxo"  
ne & Saltmer, Ltd.  
& James, Ltd.  
Food Co., Ltd.  
E. T., & Co.  
auras Infant Food Co.  
Francis, B. & T.  
Jas. Sons & Co., Ltd.

**S EARTH**  
l, G S., & Sons

**TORS**  
Co., Ltd.

**N**  
Patent Candle Co., Ltd.

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E.  
& Girard

**REMOVER**  
& Co., Ltd.

**IS, DRUG, & C.**  
tafford & Sons, Ltd.  
Backhouse & Co.  
Francis, B. & T.  
Layman & Umney, Ltd.

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Patent Pick Co., Ltd.

& Co.  
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Stagg & Morgan, Ltd.

**ARTS, TRUCKS, & C.**  
Co.

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Blackie, Robert  
Cabellene  
Edwards' "Harlene" Co.  
Harrison, G. W.  
John Strange Winter  
Nyto Preps., Ltd.  
Osborne, Garrett & Co.  
Robare's Aureoline  
Sannders, J. Tozean Ltd.  
Van Essen, James & Co., Ltd.

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Christy, Thos., & Co.  
Senier, Alf., & Co.

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Whitaker & Co.

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Stols Electrophone Co., Ltd.

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Brook, Parker & Co., Ltd.  
Potter & Clarke, Ltd.  
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Ashton & Parsons, Ltd.  
Keene & Ashwell, Ltd.

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Bailey, W. H., & Son  
Burge, Warren & Ridgley, Ltd.  
Dunlop Rubber Co., Ltd.  
Fulham Pottery and Cheavin  
Filter Co., Ltd.  
Galen Manfg. Co., Ltd.  
North British Rubber Co., Ltd.  
Schutze, F., & Co., Ltd.  
Tompkins, J., Ltd.  
Toogood, William, Ltd.  
Wood, Vincent  
X. L. Rubber Co.

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Thackeray Hotel

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May & Baker, Ltd.  
Sanitas Co. Ltd.  
Tyrer, T., & Co., Ltd.

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Knoll & Co.

**HYPOPHOSPHITES**  
May & Baker, Ltd.  
Tyrer, T., & Co., Ltd.

**ICHTHYOL**  
Ichthyol Gesellschaft

**INHALERS**  
Oso Medicated Air Co., Ltd.

**INSECTICIDES**  
Christy, T., & Co.  
Nyto Preparations, Ltd.  
Tomlinson & Hayward, Ltd.

**INSECT POWDER**  
Dana's Virus, Ltd.  
Keating, Thomas

**INSTEP SUPPORTS**  
Pond, H. J.  
Scholl Manfg. Co.

**JUJUBES**  
Guest, Thos., & Co.  
Potter & Clarke Ltd.

**LANOLINE**  
Burrongs Wellcome & Co.

**LARD**  
Ewen, J., & Sons

**LAVERENDER WATER.**  
Bush, W. J., & Co., Ltd.  
Rivers, Hill & Co., Ltd.

**LEATHER BLACK**  
Whitaker & Co.

**LECITHIN**  
Chem. Works "Victoria"  
Williams, G. M., & Co.

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Eeles, Walker & Co.

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Evans Sons Lescher & Webb, Ltd.  
Goodall, Backhouse & Co.  
Idris & Co., Ltd.

**LINSEED, CRUSHED, & C.**  
Mumford, G. S., & Sons

**LINTS**  
Liverpool Lint Co.  
Maw, S., Son & Sons  
Robinson & Sons, Ltd.  
Taylor, W. G.  
Vernon & Co., Ltd.

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Apollo  
Evans Sons Lescher & Webb, Ltd.  
Jackson, E. E.  
Mumford, G. S., & Sons  
Solazzi

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Macfarlan, J. F., & Co.  
May & Baker, Ltd.

**LOOFAMS**  
Internl. Sponge Importers, Ltd.  
Solport Bros.  
Swales, Thomas

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Ayrton. Saunders & Co., Ltd.  
Denoual, Jules & Co.  
Guest, Thos., & Co.  
Jackson, E. E.  
Potter & Clarke, Ltd.  
Raines & Co.  
Standard Tablet & Pill Co., Ltd.  
Warrick Bros., Ltd.

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Allea & Hanburys, Ltd.  
Bennett, Sons & Shears, Ltd.  
Comet Chemical Co., Ltd.  
Gardner, Wm., & Sons, Ltd.  
Hardy Patent Pick Co., Ltd.  
Lister, R. A., & Co., Ltd.  
Findar, J. W., & Co.  
Stokes, F. J., Machine Co.  
Wilkinson, S. W., & Co.

**MAGNESIA AND ITS PREPS.**  
British Drug Houses, Ltd., The  
Corbyn, Stacey & Co., Ltd.  
Henry, T. & W.  
Howards & Sons, Ltd.  
Phillips, Chas. H., Chem. Co.  
Washington Chemical Co., Ltd.

**MALT EXTRACT & PREPS.**  
Boulton, Macro, Ltd.  
British Diamalt Co., Ltd.  
British Drug Houses, Ltd., The  
Burrongs Wellcome & Co.  
Davies, Sons & Co.  
Evans Sons Lescher & Webb, Ltd.  
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Hovenden, R., & Sons, Ltd.  
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John Bond ("Crystal Palace")

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Bush, Henry W., & Co., Ltd.

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Armour & Co., Ltd.  
Bovril, Ltd.  
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Tooth's Extract of Meat Co.

**MENTHOL CONES**  
Pharm. Ind. Ges. Offenbach

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Alliance Drug & Chem. Co.  
Howards & Sons, Ltd.  
May & Baker, Ltd.  
Tyrer, T., & Co., Ltd.

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Betts & Co., Ltd.  
Eley Bros., Ltd.

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Burrongh, J., Ltd.  
Maonair, A., & Co.  
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Randall & Son, Ltd.

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Apollinaris Co., Ltd.  
Hughes, E., Griffiths  
Ingram & Royle, Ltd.  
Viohy (State Springs)  
Vittel

**MIXERS AND SIFTERS**  
Comet Chemical Co., Ltd.  
Gardner, Wm. & Sons (Gloaces-  
ter), Ltd.

**MUSTARD PLASTER**  
Rneff, Julius

**NIGHT-LIGHTS**  
Prescott & Co.

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Blackie, Robert  
Burgess, E.  
Calvert, F. C., & Co.  
Cartwright, W. B., Ltd.  
Cox, Arthur H., & Co.  
Oldfield, Pattinson & Co.  
Peat Products (Sphagnol), Ltd.  
Smith, Maurice  
Zimmermann, Chas. & Co.

**OILS, ESSENTIAL**  
Allen, Stafford & Sons, Ltd.  
Alliance Drug & Chemical Co.  
Boake, A., Roberts & Co., Ltd.  
Bnsh, W. J., & Co., Ltd.  
Dodge & Olcott Co.  
Evans Sons Lescher & Webb, Ltd  
London Essence Co.  
Poppelreuter, W.  
Ransom, W., & Son  
Schimmel & Co.  
Spurway & Cie., Ltd.  
Stevenson & Howell, Ltd.  
Varaldi, F.  
Wright, Layman & Umney, Ltd.  
Zimmermann, Chas., & Co.

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Allen, Stafford & Sons, Ltd.  
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Varaldi, F.

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Brook, Parker & Co., Ltd.  
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Cox, Arthur H., & Co., Ltd.  
Christy, Thos., & Co.  
Cupal, Ltd.  
Davies, Sons & Co.  
Evans Sons Lescher & Webb, Ltd  
Goodall, Backhouse & Co.  
Harker, O. R., Stagg & Morgan  
Lofthouse & Saltmer  
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Sangers  
Standard Tablet & Pill Co., Ltd  
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Oppenheimer, Son & Co., Ltd.

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Taverner & Sons, Ltd.  
Valda Pastilles  
Warrick Bros., Ltd.

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Newnham, Browne & Co.

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Boehringer, O. F., & Soehne  
Bush, W. J., & Co., Ltd.  
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Neef, M., & Co., Sucors.  
Schimmel & Co.  
Schwars, A. W.  
Varaldi, F.  
Wright, Layman & Umney, Ltd.  
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Bush, W. J., & Co, Ltd  
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Allen & Hanburys, Ltd.  
Baies Bros. & Stevenson, Ltd.  
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Christy, T., & Co.  
Evans Sons Lescher & Webb, Ltd  
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British Drug Houses, Ltd., The  
Burgess, E.  
Carnrick, G. W., Co.  
Chameleon Oil Co., Ltd.  
Christy, T., & Co.  
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# Daily Express

NO. 3,919.

LONDON, TUESDAY, OCTOBER 23, 1912

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A PHENOMENAL SUCCESS

**For the Cure of Eczema, Skin Irritation, Roughness or Redness, Chapped Skin, Eruptions, Pimples, Boils, Sores, and Kindred Ailments.**

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**Recommended by the Highest Medical Authorities in the World**

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SAYS:

"We have analytically examined three preparations from Ecsölent Compounds, Ltd., Ecsölent Buildings, Elthorne Road, London, N.,—a compound emollient, a powder, and a soap. All three are advocated for use in the treatment of eczema and other skin affections, and all three give evidence of skilful preparation. The Ecsölent Compound is a clean, white ointment showing a perfect uniformity of composition. The ugliest basis is a bland unirritating vehicle. We have read favourable accounts showing the value of this preparation, particularly in itching eruptions, such as eczema, erythema, psoriasis, pruritus, and intertrigo. The Ecsölent Powder is reduced to a fine state of division and is well adapted for application as a dusting powder in various affections of the skin. It contains, according to our analyses, antiseptics and soothing agents of admitted value. Ecsölent Soap is entirely free from irritating ingredients, and made pleasant to use by the addition of antiseptic aromatic."—*The Lancet*, May 11, 1912.

Exact Size of 2/9 Package.



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SAYS:

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### THE "BRITISH MEDICAL JOURNAL"

SAYS:

"In the *British Medical Journal* of February 5th, 1910, p. 327, there appeared a short notice of three preparations supplied by the Ecsölent Compounds Ltd., intended for the treatment of eczema and other skin affections. These comprise an ointment, a soap and a dusting powder. We expressed the opinion that from the composition of these preparations they may be expected to prove useful for the purpose for which they are intended. Practical experience has confirmed this expectation, expressed nearly twelve months ago. We have had the opportunity of satisfying ourselves that the Compound is of great value in the treatment of itching eruptions, especially about the anus and genitals, and the powder has proved an excellent application in cases of troublesome intertrigo in the folds under the breast on the abdomen, and elsewhere. In addition to our own limited but decidedly favourable experience, we have had submitted to us a large body of authentic evidence spontaneously offered by practitioners throughout the country. Their statements refer chiefly to cases of eczema, erythema, psoriasis, pruritus ani, and various other skin affections. The names and professional position of those who testify to the usefulness of Ecsölent Compound are sufficient guarantees of their good faith."—*British Medical Journal*, January 21st, 1911.

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## Maw's Page

FRIDAY MORNING, NOV. 1, 1912.

This morning our Customers will receive a copy of the first edition of our new and seasonable catalogue, "Gifts for Xmas." Between the first cover—which happily portrays a smiling recipient of some token of friendship—and the last, we have been successful in gathering a representative selection of attractive lines for which this House is becoming yearly more famous. The items are, as far as possible, alphabetically arranged, while an index on page 2 lends additional aid to the rapid perusal of the List. We should like to draw particular attention to some very attractive lines in Manicure Sets (pp 13B-15), while a large and varied list of new patterns and varieties in Hair Brushes, Nail Nippers, Perfume Sprays, and Perfumes ensures this publication being carefully studied by all Pharmacists who know the value of "having something new for Xmas."



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(A few hints for this week compiled for the guidance of Pharmacists.)

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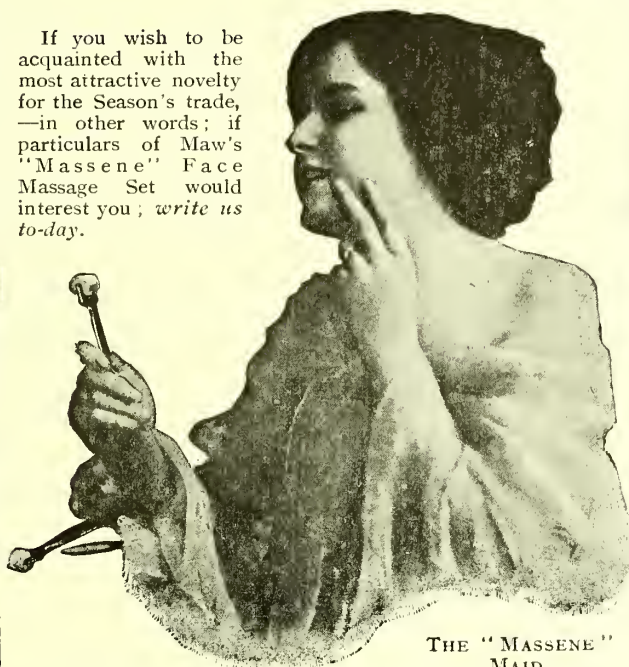
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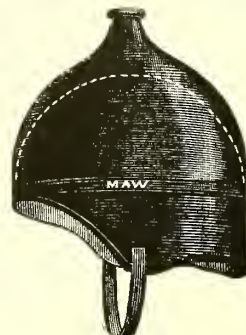
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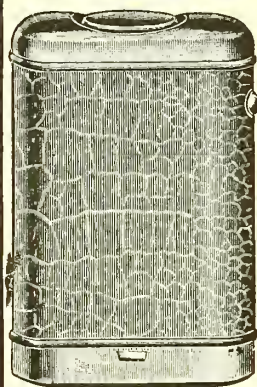
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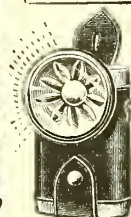
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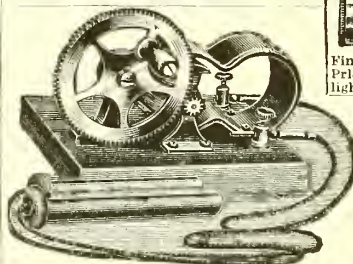
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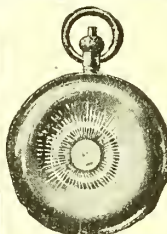
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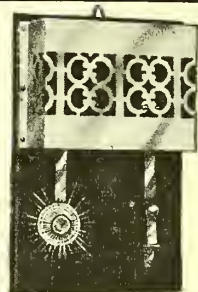
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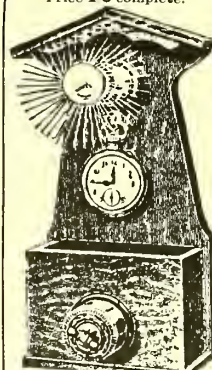
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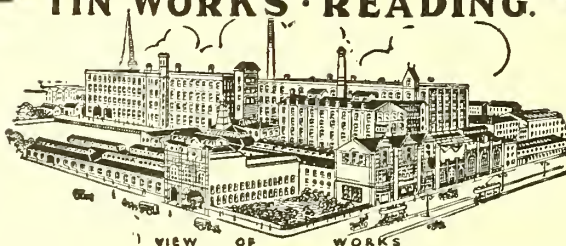
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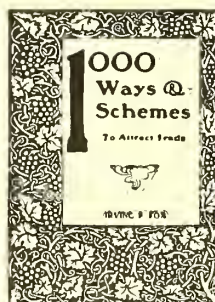
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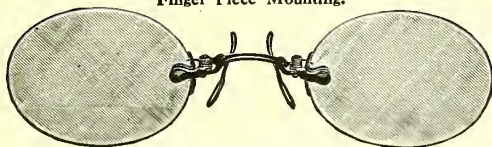
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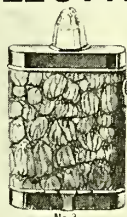


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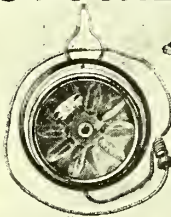
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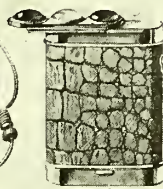
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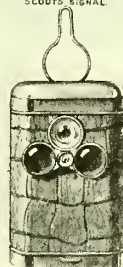
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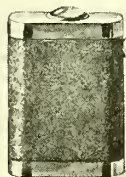
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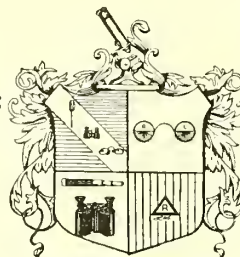


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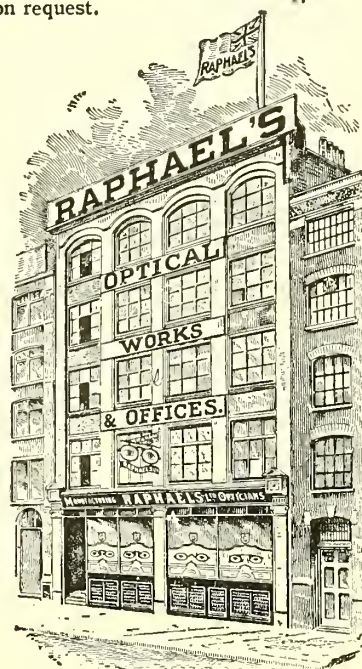
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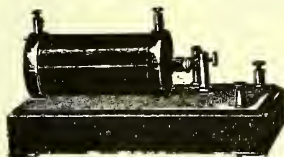
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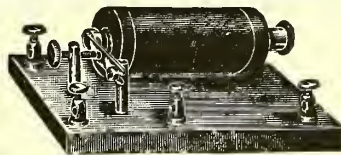
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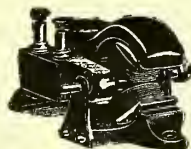
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Diary, 1912, pp. 74, 75.

Winter Issue, 1912, pp. 48, 49.

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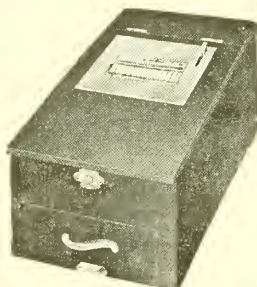
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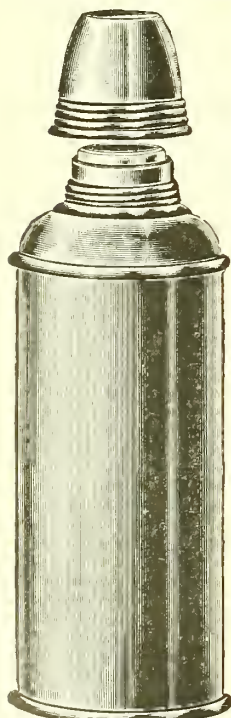
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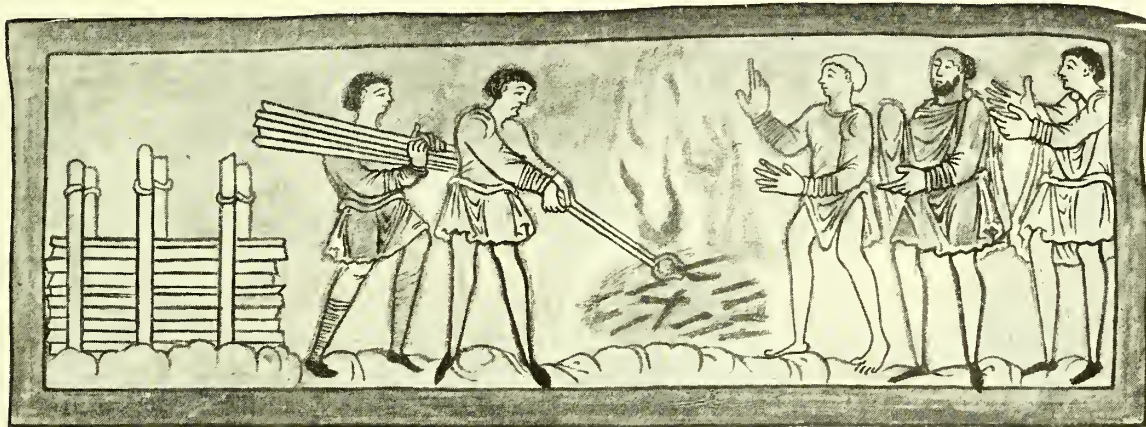
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November



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#### In the Coloured Supplement.

Coming Events.	Shops Act.
Our German Letter.	Trade-marks.
Poisonings.	Wills.

#### THE REASON WHY

it is necessary that *The Chemists' and Druggists' Diary*, 1913, must be closed for press by

**November 6, 1912,**

is because it has to be printed, bound, and delivered to business men in all parts of the world by New Year's Day 1913. Below are some dates of arrival by mails leaving London immediately after the *Diary* is finished:

India: December 15, 1912.	China: December 23, 1912.
Burma: December 17, 1912.	Australia: December 30, 1912.
South Africa: December 18, 1912.	South America: January 1, 1913.
North America: December 21, 1912.	Japan: January 1, 1913.

Intending advertisers will thus understand the necessity for sending their copy and instructions at once to the Publisher, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. Telegraphic and telephone addresses as above; use either to secure space before it is too late.

## SUMMARY OF THIS ISSUE.

The more notable items only are dealt with.

#### Articles and Communications.

Does the word "phenols" in the new carbolic acid order include "homologues of carbolic acid" and "phenoids"? We think it does, but criticise the order in an article beginning on p. 49.

Shops Act difficulties still arise (p. 63), but the High Court has cleared at least one away by upholding the Manchester City Council's resolution not to grant exemption to the central area because it is too restricted (p. 35).

Although we encroach on the space allowed to "X-rayser II," observations and reflections on the allowance for medical benefit, on Professor Cushny's evidence, and old tinctures are pertinent (p. 47).

In connection with National Insurance dispensing we point out that Mr. Lloyd George was in error in saying that 5*d.* was the cost of drugs to doctors. We explain how the error has arisen, and present some considerations which chemists should not overlook (p. 48).

#### National Insurance Dispensing.

The 1*s.* 6*d.* to 2*s.* allowance per insured person for medicines and appliances has a mixed reception from individual chemists. See pp. 51 and 62.

"Keep cool" is the advice given by Mr. Bremridge (p. 52).

Pharmaceutical Committees are, on the whole, more friendly to proposals, as may be judged by reports on p. 34 and pp. 43-46. Among those who commend favourable consideration of the Chancellor's proposal are Sir Edward Evans (p. 46) and Sir Victor Horsley (p. 44).

The storm centres are Liverpool and Aberdeen (pp. 43 and 49), but Scotland generally is doleful about the business.

These views may be modified when chemists read that the Commissioners agree to the principle of a dispensing fee, a charge for the container, and fair-price payment for each ingredient (pp. 49 and 51).

In Germany the cost is 2*s.* per head for medicines alone (p. 63).

#### News of the Week.

An interesting action is pending in a London City Court regarding the quality of ext. filicis maris (p. 39).

The Lord Mayor of London has for the first time in history officiated at the opening of a pharmacy (p. 57).

The names of chemists who have obtained or are seeking municipal honours are given on pp. 34 and 36.

The Customs authorities have failed to establish in Court their contention that cocoa-butter substitute is margarine (p. 39).

Western Australian authorities have adopted the British Pharmacopoeia and Squire's "Companion" as standards for medicines (p. 37).

Mr. D. S. Kemp, formerly of Bombay, died this week. He introduced Goa powder into this country, and had a most interesting career (p. 43).

A Divisional Court of King's Bench has reversed a Magisterial decision under the Dentists' Act, which weakens the question of dental qualification (p. 39).

Mr. Justice Pickford and a jury were engaged up to Thursday afternoon in hearing evidence regarding the action for libel by Mr. C. H. Stevens against the British Medical Association. In the result the jury were unable to agree, and were discharged.

Professor W. E. Dixon was the only witness examined by the Patent Medicine Committee on Wednesday, and our report of his evidence begins on p. 54. The Chairman made a statement regarding "Mr. A." a witness who gave evidence some time ago about Stevens' mixture. Mr. J. C. Umney is to be the first witness on behalf of proprietors of proprietaries (p. 59).

#### Trade and Market Matters.

Menthol, opium, codeine, and quinine (seconds) are higher. Cod-liver oil, milk-sugar, turpentine, lemon oil (c.f.), quicksilver (seconds), benzols, and copper sulphate are more or less cheaper to buy. The auction of first- and second-hand drugs is reported on p. 58.

## ENGLISH AND WELSH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

### Brevities.

The new Institute of Pharmacology at University College, London, is to be formally opened next month.

At the North Wales Fanciers' Show, held at Llandudno recently, Mr. L. B. Rowland, chemist and druggist, 9 High Street, Wrexham, was awarded the third prize for bantam, modern game.

The Ledbury Guardians have arranged with Mr. V. W. Meacham, chemist and druggist, Ledbury, and Mr. S. E. Amos, chemist and druggist, Colwall, to dispense medicines for the outdoor poor at 6d. per bottle, with an extra charge for expensive or unusual drugs.

A conference in connection with the Institute of Hygiene on "The Health of the Business Man" has been attracting considerable attention in London this week. Dr. Cameron Gillies, in referring to the growth of neurasthenia among business men, said this was reflected in the number of chemists' shops and public-houses to be found in the vicinity of railway stations, while the many advertised "pick-me-ups" displayed in the windows of chemists' shops were in themselves significant.

### The Public Weal.

Mr. J. J. Shawyer, chemist and druggist, is Mayor-elect for Swindon.

Mr. Thomas Kay has accepted the invitation to become Mayor of Stockport.

Major William Bradbury Robinson, director of Messrs. Robinson & Sons, Chesterfield, will be Mayor of Chesterfield for the year 1912-1913.

The following have been returned unopposed to seats on their local Town Council:

Mr. J. Birkett, pharmacist, 16 The Crescent, Morecambe.  
Mr. John Manners, chemist, 169 Whitehall Road, Gateshead.

Mr. H. M. Lloyd, chemist, 28 Victoria Street, Merthyr Tydvil.

The following pharmacists have been nominated for election to their respective Borough or Town Councils:

Mr. T. H. Pratt, Newbury, Berks.  
Mr. John A. Heaton, Queen's Park, Burnley.  
Mr. G. Bennett, 18 Longshot Lane, Stockport.  
Mr. Wm. Adams, 30 High Street, Shrewsbury.  
Mr. Tom Bellamy, 2 Tindal Square, Chelmsford.  
Mr. D. R. Rowlands, 1 Monk Street, Birkenhead.  
Mr. D. K. Morgan, 25 King Street, Carmarthen.  
Mr. Thos. Fell Abraham, 87 Bold Street, Liverpool.  
Mr. R. C. Herman, Moss Lane, Walton, Liverpool.  
Mr. Thos. Brewis, 56 St. Mary's Road, Portsmouth.  
Mr. T. J. A. R. Burbank, 116 Walton Street, Oxford.  
Mr. J. V. Mainprize, 9 King Street, Bridlington Quay.  
Mr. Thomas Ridley, Scotland Road, Stanwix, Carlisle.  
Mr. C. G. Yates, 9 Upper Hamilton Road, Brighton (T.C.).  
Mr. A. J. Hunt, 5 Woolwich Road, Greenwich, London, S.E.

Mr. J. B. Wood, President of Huddersfield Chemists' Association.

Mr. John E. Lockyer, 244 Evelyn Street, Deptford, London, S.E.

### Masonic.

Mr. H. E. Thompson, of 445 Beverley Road, Hull, representative for Messrs. Southall Bros. & Barclay in the North and Eastern Counties, has been elected W.M. of the "Lord Bolton" Lodge of Freemasons, Hull.

At the annual festival of the "Prince of Wales Lodge, No. 1705," Gosport, held on October 24, Bro. Fred. H. Waterhouse, pharmacist, dispenser in H.M. Naval Hospital, Haslar, was installed as Worshipful Master.

### Birmingham Notes.

An excellent advertisement may be seen in a Temple Row pharmacy illustrating the merits of a non-purin food.

The local tramways guide seems to be a favourite advertising medium for pharmacists, quite 10 per cent. of the space being taken by these.

Fashions in colours of chemists' shop-window decorations seem to be as changeable as those of the ladies'.

Purple has now taken the place of former blazes, and an effective display of it may be seen in an Arcade shop.

An appeal for 6,000l. is being made in connection with the Birmingham visit of the British Association. Alderman Sir G. H. Kendrick has been appointed Chairman of the sub-committee, and Mr. G. H. Morley, of the Birmingham University, is the Secretary.

Boots, Ltd., have vacated their shop in High Street, which was originally that of Messrs. Banks & Co., who made name, fame, and money during the Crimean War. The company is now installed in their new shop at the corner of High Street and Moor Street under the Temperance Hotel and in close proximity to the meat, fish, and vegetable and flower markets. Boots, Ltd., have also secured an advertisement in the booklet of stamps issued by the postal authorities.

The following gentlemen were returned unopposed to the City Council on Thursday last: Dr. W. B. Featherstone (son of the late Mr. Featherstone, many years at Messrs. Southall & Co.); Mr. Jeffrey Poole, proprietor of Messrs. Snape & Sons' business, Great Hampton Street, and of a handsome pharmacy in Handsworth, formerly owned by Mr. C. F. Jarvis; and Mr. A. J. Kelly, a well-known local scientist. Mr. J. Poole returns to the Council-chamber after a brief absence, owing to the absorption of the ward he represented by the Greater Birmingham scheme of federated areas.

### Liverpool Notes.

Mr. Holmes has bought the chemist's business situate at 75 Queen's Road, Liverpool, formerly carried on by the late Mr. Williams.

Mr. W. F. Laycock, Secretary of the General Purposes Committee of the Liverpool Chemists' Association, is working hard to make the joint local Associations' "smoker" a success. He wants to raise 50l. for the Benevolent Fund.

Messrs. Budden & Co., Ltd., have sold their Kirkdale Road branch to Mr. Taylor, chemist and druggist. The firm have closed their business at St. James' Place, off Park Lane, and opened a new pharmacy in Byrom Street, almost opposite to the old-established business of Messrs. Banner & Co., Ltd., 62 Byrom Street.

At the extraordinary general meeting of the Liverpool Chemists' Association held on October 31, the President moved that "Wednesday" be substituted for "Thursday" for the Association's meetings. Wednesday is early-closing day in Liverpool. As chemists will be desirous in the summer to enjoy their half-holiday to the full, it is proposed that meetings from May to September will be held on Thursdays as heretofore.

Messrs. Linscotts, jewellers, Lord Street, Liverpool, are displaying a sign intimating that they are able to cut prices in half, as the stock must be cleared owing to the business having been sold on favourable conditions to Boots Cash Chemists, Ltd. The premises are almost opposite the Lord Street branch of Thompson & Capper, Ltd. The latest sign of the times is the starting of a new Boots branch wherever there is a Rexall agent.

A mass meeting of chemists qualified to serve on the panel for the supply of medicines under the National Insurance Act was held at the Royal Institution, Colquitt Street, Liverpool, on October 23. Mr. G. V. C. Last presided, Mr. Harold Wyatt, Chairman of the local Association's Business Committee, which has been dealing with Insurance questions, supporting him. Resolutions were unanimously passed agreeing to refrain from individual negotiations with the local Insurance Committee to take a poll on the question of serving on the panel if the conditions of service are approved. It was agreed to write to the local Insurance Committee asking for a conference regarding terms for the supply of medicines. The chemists present included representatives from Bootle, Seaforth, Litherland, Waterloo, and a number of outlying districts, where there are not any chemists' associations. Mr. Last, in his opening speech, stated that to accept 1s. 6d. or 2s. *per capita* would possibly mean to some chemists bankruptcy. On the other hand, he asked the chemists to strike the best possible bargain, as in any



case the Government would never leave them a luxurious margin of profit. Mr. Harold Wyatt, in support, said it behoved chemists to treat with the committees through their Associations and not individually. As an instance of working of the Commissioners, he said that a Bootle chemist, who had supplied drugs under the sanatorium-benefit scheme, sent in an account, which was returned by the Commissioners with the information that it must be rendered to the doctor who had the case in charge. The latter could then render it with his own account for the case. If this were to apply throughout the administration of medical benefit, Mr. Wyatt remarked, "the chemist would be under the doctor's thumb."

#### Manchester Notes.

A mass meeting of Manchester chemists was held at the Victoria Hotel on October 30. It was convened by the Insurance Committee of the Manchester Pharmaceutical Association. Another meeting is convened by the authorities at Bloomsbury Square in the Memorial Hall, Albert Square, on November 13, when it is expected there will be a very large muster of chemists from all parts of Lancashire and Cheshire.

The method devised and patented by Dr. J. Grossmann, Manchester, for disposing of sewage sludge and turning it into a profitable undertaking, has been revealed to an astonished world this week at Oldham. Instead of depositing on waste land and tipping it into the sea, it is now split up into two products readily saleable—namely, grease and a dry odourless powder—which, with slight chemical additions, is sold as one of the best manuring powders at about 5*l.* a ton.

The danger of injecting adrenalin during chloroform anaesthesia was brought out in the course of an inquest on the body of Alfred Lever Brownson, solicitor, Hyde, who died on October 23, just previous to being operated on. The medical evidence was to the effect that after the administration of the anæsthetic the doctor injected a weak solution of adrenalin to prevent excessive hæmorrhage, and in less than a minute the patient collapsed and died. The jury returned a verdict of death by misadventure.

[To those who are acquainted with the literature of adrenalin in relation to chloroform narcosis this result does not come as a surprise. Numerous cases have been recorded where injection of adrenalin immediately after light chloroform anaesthesia has been followed by death, though no such case has followed when deep anaesthesia had been first produced. A discussion took place on this subject at the Liverpool meeting of the British Medical Association, and those who are interested will find full details in the "British Medical Journal" of September 14, 1912.—*EDITOR, C. & D.*]

The Retail Traders' Association of Manchester, of which one or two members are chemists, failed to win their law case against the Manchester City Corporation, which was decided in the Divisional Court on Tuesday, October 29, the City Council's action in refusing to grant an exemption (as they considered the area proposed for the exemption was unreasonably small) being upheld. Most of the traders in the city close for one half-day per week, and the general consensus of opinion is that having already enjoyed the early-closing benefits, the desire is to make others conform to the Act by getting compulsory closing orders enforced. It was stated at a meeting of the City Council on Wednesday that the anomaly of chemists in the outer area being prosecuted under the Act while those in the centre go free will be ended now that the High Court decision has been given.

#### Contracts.

Shrewsbury Town Council.—Mr. J. Langley Henshaw, chemist, Shrewsbury, for disinfectants.

London County Council.—Cooper, Cooper & Co., Ltd., for an annual supply of extract of beef to all asylums at 162*l.* 18*s.*

Blackburn Union.—T. Critchley & Co. for the annual supply of drugs; Booth & Openshaw for medical thermometers as required.

Coventry Guardians.—Wyleys, Ltd., Coventry, for drugs at 44*l.* 1*s.* 10*d.*; Robinson & Sons, Ltd., Chesterfield, for surgical dressings, etc., at 40*l.* 14*s.* 7*d.*

#### Analysts' Affairs.

In St. Pancras last quarter the following samples were analysed and found to be genuine: Camphorated oil (6), olive oil (4), and glycerin (1).

The Chester Council considered last week a recommendation from the Public Health Committee that Mr. Harold Lowe, M.Sc., son of the city analyst, be appointed assistant city analyst. This was agreed to after it had been stated that Mr. Lowe, jun., is prepared to continue the work without remuneration, and had given the committee to understand that the appointment would not bind them to give him the higher position should a vacancy occur.

#### Fires.

A fire broke out on October 26 in "H" warehouse, 67 Upper Thames Street, London, S.E., which is used for storing drugs landed at Bull Wharf as well as the export packing of rubber. The fire brigade confined the outbreak to the building, and temporary accommodation for imported drugs landed at this wharf has been provided elsewhere.

An outbreak of fire occurred in a second-floor bedroom at the premises of Mr. J. H. Hollingworth, chemist and druggist, 31 Devonshire Road, Cloughton, Birkenhead, on October 25. The fire brigade extinguished the fire before it spread to other apartments, and although the contents of the room were destroyed, stock in the pharmacy escaped damage.

#### From Various Courts.

At Hull on October 24, an inquiry was held into the death of William Henry Sell (55), chemist, who had died in the Royal Infirmary on October 23. Dr. Bennett said that deceased's stomach contained traces of opium, and an adjournment was made for a further analysis.

Arthur William Plummer surrendered to his bail at the Bexhill Police Court on October 29, for the adjourned hearing of the charges against him of stealing, at different dates, various sums of money belonging to his former employer, Mr. George Stanley Perrett, chemist there. He was again remanded on bail.

At Heywood on October 29, Frank Hazlitt, chemist and druggist, 53 Market Street, was charged with administering a noxious drug to Catherine Kelly, a single woman, of Foundry Street, on various dates in September and October. A widow, Rose McDonald, of 23 Aspinall Street, was charged with having used an instrument for an unlawful purpose. It was stated in evidence that Kelly had gone to accused's shop, at the suggestion of her young man, and obtained draughts. These did not induce abortion, so she went to McDonald, and was seriously ill afterwards. Her mother gave information to the police. Mr. Redmar asked for bail on account of Hazlitt, and remarked that there was really very little evidence against him. The Magistrates allowed Hazlitt bail, but not McDonald.

IS IT LIABLE TO MEDICINE STAMP-DUTY? This question is easy to answer if you have at your desk one of the new *C. & D.* chart-cards showing grounds of liability and exemption. Post free for four penny stamps from the *C. & D.* Office, 42 Cannon Street, London, E.C.

NEW ZEALAND HONEY.—A shipment of New Zealand honey, comprising 201 cases, each containing two tins holding about 60 lb., recently arrived in London per s.s. *Turakina*. On being opened up it was found to be in a messy and unsightly condition. The soldering was evidently faulty, as the joints had broken away and caused a great leakage of honey—some tins containing only a few pounds. The cases were scrubbed and cleaned, and those containing full tins realised 40*s.* per cwt. The quality of the honey was very satisfactory, being clear and of good colour.

THE SOUTH OF ENGLAND COLLEGE OF PHARMACY.—The students of this College visited the laboratories of Messrs. Parke, Davis & Co., at Hounslow, on October 23. The party of about forty were taken over the works in sections. The various processes witnessed included tablet and pill making and coating, preparation of liquid extracts and emulsions, concentration *in vacuo*, and spirit recovery. The analytical laboratory and the filling of ampoules proved to be of special interest. A lecture was also given by Mr. J. S. White on serums and vaccines. The firm afterwards entertained the students to tea.

## IRISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

### Brevities.

Mr. John Smith, Ph.C., M.C.P.S.I., has completed extensive alterations to his pharmacy, Terenure Road, Dublin.

Mr. J. E. Connor, Ph.C., M.C.P.S.I., Newry, has just returned from a trip in the Mediterranean, having visited Oporto, Gibraltar, Tangier, Algiers, Messina, Pompeii, and Naples.

Mr. T. W. Gibson, registered druggist, has received numerous congratulations on completing twenty-five years' service with Messrs. Thos. McMullan & Co., wholesale druggists, Victoria Street, Belfast.

Mr. Thomas Keawell, Ph.C., Harold's Cross Road Pharmacy, Dublin, has been appointed town sub-postmaster of the newly opened post-office in the Rathmines township, and will perform the duties in addition to his pharmaceutical business.

Messrs. T. W. Reynolds, Ltd., chemists, Scotch Street, Dungannon, are having extensive alterations carried out at their premises. A new front is being built and up-to-date windows introduced. Mr. G. A. Scott, Ph.C., is in charge of the dispensing department.

Messrs. Boileau & Boyd, Ltd., chemists and druggists, Bride Street, Dublin, have been appointed contractors for the supply of drugs to Stevens' Hospital. The supply of lint, tow, etc., will be obtained from Messrs. Fannin & Co., Ltd., Grafton Street, Dublin.

At Omagh Quarter Sessions on October 24, James O'Neill, a farmer, was awarded 94*l.* damages, and 14*l.* costs, for the malicious poisoning of his entire stock of cattle and a mare in April last. Mr. Charles McMullan, analyst, Belfast, gave evidence that the cause of death was arsenic-poisoning.

Last week, at Ballyconnell, Jas. A. Foster was fined 5*s.*, and 6*s.* costs, for selling oil-cake for use as a food for cattle without supplying therewith an invoice giving the particulars required by the Fertilisers and Foodstuffs Act. The prosecution was undertaken by the Department of Agriculture and Technical Instruction.

At Belfast Police Court last week, William Laverty was sent to prison for three months for fraudulently converting the sum of 3*l.*, the property of Messrs. John Clarke & Co., Ltd., formerly chemists and druggists, to his own use. The accused, who was a bailiff, in July last received 3*l.* on a decree, and absconded with the money to Glasgow.

Messrs. Boileau & Boyd, Ltd., Dublin, contractors for the medical supplies to the Londonderry Union, have written to the Guardians pointing out that a number of empties have not been returned, and that if these are not forwarded before the end of the year they will claim the value of the empties, as they are entitled to do under their contract. The Board decided to inform the medical officers that if any deficiency arose through the empties not being returned they would hold them responsible.

## SCOTTISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

### Edinburgh.

Prices of cod-liver oil appear to be much the same as those obtaining last year—viz., 8-oz. bottles, 9*d.* or 10*d.*; 12-oz., 1*s.* 2*d.*; and 20-oz., 1*s.* 9*d.* or 1*s.* 10*d.*

A more or less strenuous "Dental Quack" correspondence is running in a local newspaper. This has been a favourite theme in some airts for fully a year now.

The fur was flying at 36 York Place last Friday afternoon when Mr. Lyon led an attack on Mr. Rutherford Hill about dispensing charges for Insurance prescriptions.

Mr. John T. Coats has a fine window-show of "Boy Scout" specialities in his Broughton Street pharmacy. Mr. Coats is one of the local leaders of the Scout movement.

Several chemists now charge 2*d.* for worm-powders, of any strength, containing santolin. The increase is felt to be justifiable on account of the price at which this preparation stands.

Printed particulars have been issued of the Edinburgh Chemists', Assistants', and Apprentices' Association's competitions for prizes given by Messrs. R. Dick, J. Laidlaw Ewing, J. Innes Fraser, and Wm. Aitken, as well as the President's prize. Mr. G. H. Etchells (Hon. Secretary), 46 Leith Street, will supply copies to any local applicant.

Miss Janette Runcey Boa, daughter of Mr. Peter Boa, Ph.C., and Mr. Harry Graham Crowden, son of Mr. S. Graham Crowden, representative in Scotland of The British Drug Houses, Ltd., have received the degree of Master of Arts at a supplementary graduation ceremonial of Edinburgh University. Miss Mary A. Crowden, Mr. Crowden's younger daughter, also graduated in Arts recently.

### Glasgow and the West.

Mr. D. Dunnet, pharmacist and optician, late manager of Bisset's Pharmacy, Tayport, Fife, has purchased the business lately carried on by Mr. Jas. Troup at 82 Main Street, Bainsford, Falkirk.

Councillor J. Anderson Russell (President of Greenock and District Chemists' Association) has been returned to the local Council unopposed. The Greenock pharmacists hope their President will soon be on the Bench as a Magistrate.

Mr. A. Hogg, chemist and druggist, who for the past three years has been in charge of the Kilmarnock branch of Messrs. Cockburn & Co., Ltd., is leaving for Annan, where he is taking over the pharmacy of Mr. W. D. Mitchell, 17 High Street.

We have received the questions set in the Glasgow and West of Scotland Chemists' Association's competition for assistants and apprentices for the Association prize of 3*l.* 3*s.* (senior students) and the President's prize of 1*l.* 1*s.* (junior students). For the former the subjects were materia medica, pharmacy, and business knowledge, and for juniors materia medica, poison law and pharmacy, and either business knowledge or prescriptions. The questions were set and examined by Mr. J. R. Hill, and his awards were as follows:

SENIOR SECTION.		JUNIOR SECTION.	
	Marks.		Marks.
	Per cent.		Per cent.
Nil desperandum	96.5	Cascara	86.5
Atropin	88.5	Scutum	71.0
Excelsior	85.0	Origanum Cantharides	69.0
Sperans	81.5	Nihil sine labore	64.5
Nunquam cenari, etc.	74.5	Nisi dominus frustra	56.0
York Place	61.5	D. S. C. N.	38.5
Myomycetes	57.0		
Modicum	54.5		

"The papers indicate diligent study (Mr. Hill reported), careful observation, correct apprehension of the question, and a clear statement of the appropriate answers. It is a very pleasant duty to read a series of examination papers bearing so much promise of future good work." The senior winner is F. W. A. J. Arthur, 15 Albert Place, Paisley, and the junior William Craig, 7 Park Road, Ibrox.

### Municipal Elections.

The following gentlemen connected with the drug-trade have been nominated as candidates at the forthcoming municipal elections in Scotland: John Bain, chemist, Bridge of Allan; Andrew Gilmour, Ph.C., Burntisland; R. J. Shennon, chemist, Dalbeattie; James McLagan, retired chemist, Grangemouth; Alexander Walker, chemist, Jedburgh; James Stewart, chemist, Kirkintilloch; David A. Leadbetter, chemist, Main Street, Lochgelly; Samuel Lawrence, chemist, Oban; ex-Bailie J. H. Fisher, Ph.C., Dunfermline; Robert Mathieson, chemist, Rillbank, Innerleithen.

MAKE your prescription-counter a model of neatness and order, as nowhere else is the character of the store so apparent to the physician. Let neatness and accuracy characterise all your work.—J.A.P.A.



## FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

**MR. CARNEGIE AND CHEMISTRY.**—At a meeting of the Council of the University of Paris held on Monday, October 28, a letter was read by the Dean, M. Liard, from Mr. Andrew Carnegie, announcing that he is pleased to offer to the University of Paris the last 100,000f. (4,000l.) necessary for fitting up the new Institute of Chemistry now being built in the Rue Pierre Curie here.

**KING FERDINAND OF BULGARIA** is a Frenchman on his mother's side, and writes and speaks the "language of diplomacy" as befits a diplomatic and linguistic monarch. A little specimen of his literary style is just now on view in the shop-window of a well-known medical-wine firm. I append a translation:

"You have perhaps given a dozen audiences that morning; you have received the Corps Diplomatique; you have presided over the Council of Ministers; and for some hours you have made political orations before a hundred representatives of the people, more or less anxious to note the decline of the rhetorical powers of the Chief of the State. Quick, one or two glasses of this excellent wine (Mariani). All hesitation vanishes, your language flows freely, limpidly, convincingly."

King Peter of Serbia is less eloquent. His tribute consists of a simple signature.

**FOREIGN GOODS FOR FRANCE: THE QUESTION OF ORIGIN.**

A good deal of difficulty has been encountered during the past six months by firms importing goods into France, owing to the more stringent application of the Custom House regulations in the matter of trade-marks or other indications. The use of French names, or even of a Paris or other French address of an agency, being now prohibited, except under certain conditions, a notice has been published by the British Chamber of Commerce in Paris cautioning British firms against exporting goods to France bearing any indication which in any way may be construed that the goods were manufactured in France or are of French origin, unless such goods bear the mention "Importé d'Angleterre," or a similar indication showing distinctly their origin. In the absence of such a formality, the goods are liable to seizure by the Customs, or a fine may be imposed. This same regulation applies to goods coming to French ports in transit to South America or other destinations, and various British firms of pharmaceutical and allied preparations have had annoying difficulties at the French Customs owing to their Paris agency being indicated on the goods in addition to their British address, even when touching at a French port merely in transit, although for fifty years no question has been raised. It should be clearly understood that these stringent formalities are not aimed against British manufacturers, but are really for their protection, as the British Chamber of Commerce in Paris has been very active for some years past in drawing the attention of the French authorities to the importation here of a variety of German, Austrian, and other goods bearing imitations and counterfeits of British trade-marks, names, or similar indications.

## AUSTRALASIAN NEWS.

"The Chemist and Druggist" is regularly supplied by order to all the members of nine Societies of Chemists in Australia and New Zealand, and to many other Chemists in business there.

### The Commonwealth.

**TARIFF REVISIONS.**—In reply to a question on August 30, the Minister of Trade and Customs gave the following information regarding tariff revisions: During the past twelve months 126 applications have been received for tariff revision. Of these sixty-eight were accompanied by schedules filled with the information required by the Department. Twenty-six of these latter applications were dealt with during the revision of the tariff last year. The following are the names of those industries in which manufacturers asked for an increase in import duties:

*Division 1.*—Spirits, etc.: (a) Ether (sulphuric);† (b) Naphtha, wood.\*

*Division 4.*—Agricultural products and groceries: (c) Confectionery.

*Division 7.*—Oils, paints, and varnishes: (c) Oil (coconut and palm); (e) oil (tar);† (f) oil (olive);\* (i) turpentine substitutes.†

*Division 8.*—Earthenware, cement, etc.: (b) Corks and stoppers; (c) flint, glassware, and bottles.†

*Division 9.*—Drugs and chemicals: (a) Carbon bisulphide;† (b) disinfectant, sheep-dip, etc.;† (c) hydrogen peroxide.

*Division 12.*—Leather and rubber: (d) Rubber air goods.

*Division 13.*—Paper and stationery: (a) Catalogues, illustrated and trade; (c) inks, writing, and ink-powders;† (d) magazines; (i) paper, wax;† (j) paper, wrapping and bag.†

*Division 16.*—Miscellaneous: (d) Corks.\*†

Those marked \* were dealt with in tariff revision last year, while in connection with those marked † schedules have been received.

### Western Australia.

**FOOD AND DRUGS STANDARDS.**—Regulations under the Health Act, 1911, were gazetted on August 2. They follow closely the recommendations of the Departmental Conference of 1910, but several important modifications are made in the drug and disinfectant sections. In the preparation of raspberry vinegar the acetic acid is limited to 2 per cent., and the use of harmless colouring-matter is permitted, as well as 3 grains to the pint of sulphur dioxide or salicylic acid as a preservative instead of 2 grains, as allowed elsewhere. The drug regulations are not numbered consecutively with the food regulations, and by a curious misprint the word "not" is omitted, and the regulation now reads: "The standard for such drugs as are [not] referred to in the British Pharmacopœia, with amendments, shall be the standard prescribed by Squire's 'Companion to the British Pharmacopœia,' eighteenth edition, 1908, unless otherwise standardised in these regulations." The British Pharmaceutical Codex is abandoned, and Squire's "Companion" is put in its place; but it is curious that a single edition is established as the standard with no provision for any alteration. Spirit of nitrous ether shall be deemed to conform with the regulations if its content of ethyl nitrite be not less than 1½ per cent. In the list of drugs to be declared many additions are made—e.g., aconite, ether, amyl nitrite, digitalis, gelsemium, hyoscyamus, pituitary extract, strophanthus, and oxalic acid—making the list practically identical with that of the Poisons Schedule. But the regulation is not to apply to a drug dispensed and prescribed on prescription or order signed by a legally qualified medical practitioner, nor to a mixture supplied by a registered pharmacist, nor to a proprietary medicine compounded by any such pharmacist, provided the formula for such medicine has been deposited with the Commissioner for Public Health. The declaration of alcohol is also modified considerably, and is now 10 per cent. by volume of absolute alcohol, equivalent to 17½ per cent. of proof-spirit. The B.P. standard is adopted for eucalyptus oil, as no other provision is made. The definition of disinfectant and germicide is made much stronger. It is

any substance or compound which, when used as directed in any label or statement accompanying such substance or compound, will kill the germs or spores of germs which cause disease in man or the domestic animals.

The label is to contain the name and address of the vendor or maker or of the agent in Western Australia, and must set forth:

(a) Precisely how the disinfectant or germicide is to be prepared and used for general disinfection, and for disinfecting faeces, sputum, bedding, clothing, or any other articles or things that may be specified on the label;

(b) The minimum amount of the disinfectant or germicide which, when mixed with a specified quantity of distilled water containing 5 per cent. by weight of common salt (sodium chloride), will, within five minutes, destroy a twenty-four-hours' old sub-culture of typhoid-fever germs;

(c) The minimum amount of the disinfectant or germicide to be mixed with a specified quantity of distilled water, and the period of time during which the mixture must be allowed to act in order to destroy the spores of anthrax;

(d) Whether the germicidal efficiency of the disinfectant or germicide is impaired with contact with the acids or alkalis or with albuminous or greasy substances.

## SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is regularly supplied by order to all the members of the seven Societies and Associations of Chemists in British South Africa, as well as to other chemists in business there.

### Cape Province.

**SOUTH AFRICAN P.A.T.A.**—The first council of the Proprietary Articles Trade Association for South Africa consists of: Manufacturers: Messrs. H. B. Arvison (Chamberlain's, Ltd., Africa), C. E. McArthur (Bile Beans Manufacturing Co.), and A. Wolfe (Dr. Williams Medicine Co.). Wholesalers: Messrs. F. C. Mathew (Heynes, Mathew, Ltd.), J. Scott (Petersen, Ltd.), and L. H. Walsh (Lennon, Ltd.). Retailers: Messrs. W. H. Gardiner-Hopkins (Hopkins & Co.), D. L. Petrie (Harlow & Co.), and W. A. Sleggs (Hazell & Sons). An appeal has been made for financial support to enable the Association to put a check to "cutting," which has been taking place in many districts of South Africa. The annual subscriptions are: Manufacturers, 5*l.* 5*s.*; wholesale dealers, 5*l.* 5*s.*; retail dealers, 10*s.* 6*d.* for the first shop, and 5*s.* for each additional shop. The Secretary is Mr. E. Blake-Jardine, P.O. Box 280, Cape Town.

**PHARMACY BOARD ELECTION.**—A general meeting of the Pharmaceutical Society of Cape Province was held on September 26 to nominate three members for the coming Pharmacy Board election. The Board consists of seven members, three of whom are elected by the registered chemists of the Province. The President said it would be the business of the meeting to nominate certain persons and to decide how many candidates they should place in the field. The Kimberley district were putting up one candidate and the Eastern Province two candidates, Messrs. Magor (Queen's Town) and McJannett (East London). Out of about 300 registered chemists in the Cape Province, the local Pharmaceutical Society controlled some 110. The Northern districts had twenty votes, the Eastern Province forty, Cape Peninsula 110, and country districts about 150. Mr. Tothill proposed Mr. Otto Rohrsen as a candidate. Mr. Mathew dealt with the principle which ought to form the basis of the election. The chemists, he said, had reached a critical stage in South Africa. At the last election of a Pharmacy Board the Cape Society decided that it had not sufficient representation, so it tested its strength, and the result was that Mr. Geo. Cleghorn was elected to the Board. The present Pharmacy Board was composed of men who knew their duties thoroughly and who had done excellent service. Some of the members of the Cape Society seemed bent on spoiling the harmony of the Board. At present the Northern districts had one member, the Eastern Province one, and the Cape Peninsula one, and he thought that this was as it ought to be. In a comparatively short time the Bill which was already drafted regarding pharmacy laws would be passed by Parliament, and then an amalgamation of all the Pharmaceutical Societies and Pharmacy Boards in South Africa would take place. He did not think that they ought to go about the election from a parochial standpoint, but consider what would be in the interests of the whole Province. If new men were elected at this election they would practically be novices, and thus would be unable to assist the Government in drafting pharmacy laws which would be suitable to the Union to the same extent as those who had had experience. Mr. Cleghorn had always served the local Pharmaceutical Society admirably, and he strongly advocated his re-election. Mr. H. R. Peck said:

"They had heard from telegrams read out that the Northern Districts Association (Kimberley) are putting up one candidate, and the Eastern Province Association (Port Elizabeth) are putting up two candidates, and whereas those two societies jointly have only sixty members, our Society numbers close on 110. Cape Town has often been nicknamed 'Sleepy Hollow'; it is up to us then, gentlemen, to show these up-country societies, with our large membership, that, pharmaceutically speaking, we are very much alive. Will these up-country societies thank us for keeping out of the field, or even putting up one member? I say no—they will only laugh at us. Let us, then, have

an open contest, and support no one in particular from our Society, and let every man stand on his own merits, and may the best men win. I might point out that when an election to the Colonial Medical Board takes place there are invariably a good many candidates to fill the few vacancies, and that is the principle I am in favour of. A member pointed out at a Council-meeting that we already have three Cape Town men on the Pharmacy Board as Government nominees, and we ought to be satisfied. I maintain we cannot say we are represented by them, for we have no power in selecting Government nominees, and if the Government prefer to choose Cape Town men as their representatives instead of up-country men, then the fault and onus rest upon the Government. Putting all the Societies together we number about 170, but what about the 150 registered chemists who belong to no Society at all? We should give them an opportunity to record their vote, as the matter affects the trade of the Cape Province as a whole."

Mr. Cleghorn, who was the next speaker, said he had always endeavoured to safeguard the interests of the chemists of the whole Province, but especially had he taken a keen interest in any matter affecting the Peninsula dealers. Part of his duty had been to examine the candidates who came up for certificates, and he considered that the examinations had been run in such a manner that soon the Pharmaceutical Council (G.B.) would recognise Cape certificates. He also strongly appealed to the Cape Peninsula chemists to support Mr. Parry, of Kimberley, as a member of the Board, as he considered him one of the finest examiners in South Africa. Mr. W. A. Sleggs was nominated as a candidate, and he briefly addressed the meeting, stating that he had been a member of the Cape Pharmaceutical Society for many years, during which time he had acted as treasurer, and had introduced many new members. Dr. Froembling spoke strongly in favour of the Society supporting the same candidates that it did at the last election—namely, Messrs. Parry (Kimberley), Magor (Queen's Town), and Geo. Cleghorn. This motion was put to the meeting and carried.

## BUSINESS CHANGES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

**TAYLOR'S DRUG CO., LTD.**, have opened at 66 Kirkgate, Wakefield.

**MR. J. A. JOHNSON**, chemist and druggist, is commencing business on his own account at 54 Barber Road, Sheffield.

**MR. E. SAYLE** has succeeded to the business of Mr. W. Herbert, chemist and druggist, The Heath Pharmacy, Hounslow.

**MR. ALEXANDER WILSON**, chemist and druggist, has succeeded to the business of Messrs. Nelson & Co., Regent Street, Blyth.

**THE BUSINESS** of the late Mr. William Jones, 147 High Street, Tewkesbury, has been purchased by Mr. J. Gibbs, chemist and druggist, of Upton-on-Severn.

**MESSRS. GRIMBLE & KENT**, pharmacists, of High Street and Bridge Street, Boston, have purchased the business of the late Mr. F. W. Haller, chemist and druggist, at 79 High Street, Boston.

## Athletics and Sport.

**THE ANNUAL FOOTBALL MATCH** between the students of the Manchester College of Pharmacy and those of the Northern College of Pharmacy took place on October 23 at Platt Fields, Fallowfield, resulting in an overwhelming victory for the Northerners.

**THE GOVAN PHARMACIES F.C.** met the Glasgow Hairdressers' F.C. in a football match at Balmore Park, Glasgow, on October 24, the former winning by two goals to one. The Govan Pharmacies F.C., which was formed at the inception of the half-holiday movement, has been very successful. Owing to their half-holiday being on a different day from the Glasgow chemists, they have not yet had the pleasure of meeting their *confrères* on the football field. Now that amalgamation has taken place between Govan and Glasgow, the difficulty has been removed.



## LEGAL REPORTS.

### TRADE LAW.

**A Dental Appeal.**—A King's Bench Divisional Court, on Thursday, October 31, allowed the appeal of Mr. Robertson, a London County Council school teacher, from a decision of Mr. D'Eyncourt, Metropolitan Magistrate, who dismissed a summons under the Dentists Act, 1878, against Mr. Hawkings, of Williams' Dental and Teeth Institute, 293 Gray's Inn Road, who, it was alleged, had held himself out to be a registered dentist. It was pointed out that the proceedings were backed by the British Dental Association. The Magistrate decided that Mr. Hawkings had not assumed the title of registered dentist, although Mr. Hawkings said he would give the appellant a certificate when the latter said he wanted one from a registered dentist. The Court held that the respondent had assumed the title of Registered Dentist, and sent the case back with directions to the Magistrate to convict.

**Shops Act Meal-times.**—At the instance of the Bradford Corporation, a firm of hairdressers were summoned because their assistants had not had the full time for dinner. It was proved that the firm were quite willing to give the assistants full time, but the assistants wanted the "tips" from customers, and preferred to get through their dinner in twenty minutes or so, then go on working. Mr. H. W. W. Wilberforce (Stipendiary Magistrate) held that it is "no part of the duty of an employer to insist upon the employé taking the full meal-time if, for reasons of his own, the assistant desires to use that time in other ways than for his meals. So long as there is no prohibition by the employer of an assistant taking his full time, either directly or indirectly, the employer has done his duty."

**Ext. Filicis Maris.**—In the Lord Mayor's Court, London, on October 29, before the Recorder (Sir Forrest Fulton, K.C.) and a jury, Mr. E. W. Blasius, chemical merchant, of 127 Fenchurch Street, E.C., made a claim against Messrs. Voss & Kessler, merchants and dealers in chemical produce, to recover damages for an alleged breach of contract. Mr. W. C. Henderson was counsel for the plaintiff, and Mr. G. Doughty for defendants. Mr. Henderson stated that the claim arose out of a contract made between the parties in December of last year. An earlier contract was entered into between them last September for the supply of 40 cwt. of male fern oil. With the exception of 6 cwt., the whole of the consignment was delivered, but it was found to be bad, and had to be taken back by the defendants, who refunded the money paid for it, and also damages. It was then decided that a fresh agreement should be entered into for the balance of the 6 cwt. which had not been delivered. The substance was largely used on ostrich farms, and was made use of medicinally. Deliveries were first made to the plaintiff in September of last year, and it was then found that the substance was not pure, but was extensively adulterated with castor oil. The defendants were urged to supply the pure male fern extract, and said that they were communicating with the German manufacturer. The defendants offered to take back such goods as were not pure, and replace them with good-class stuff, and stated that it would be in the interests of all concerned if the plaintiff's customers only raised claims which they could substantiate. The defendants also expressed the opinion that it would be in the interests of all concerned to treat the matter in as friendly a spirit as possible, because there was no doubt that Mr. Kathe, the gentleman from whom the substance was obtained, had got the monopoly of the article. If it was impossible for Mr. Kathe to deliver an extract which was absolutely pure and of the highest class obtainable, buyers might probably make up their mind not to be too particular on the point of quality. Mr. Kathe did not admit having delivered an adulterated article. His contention was that he was using the whole plant, leaves and stems as well, and not only the root, for the manufacture of the extract. A substance which was manufactured from the stems and leaves could not, said counsel, come up to the requirements of the British Pharmacopœia. On December 11 a new settlement was arrived at between the parties. It was then agreed that the defendants should supply the plaintiff with 6 cwt. of "a pure and genuine extract conforming to the British Pharmacopœia requirements." It was also stipulated that the goods should be accompanied by a certificate of analysis. The contract price of the 6 cwt. of male fern extract was to be 150*l.* The first consignment was delivered on January 5. It consisted of 2 cwt., and was accompanied by a certificate given by Mr. E. J. Parry, who expressed his opinion that it corresponded with the requirements of the British Pharmacopœia. A sum of 36*l.* 8*s.* was paid for that consignment. A second consignment of 3 cwt. of the extract, of the value

of 54*l.* 12*s.*, was delivered to the plaintiff on January 27, but it was not accompanied by a certificate. The plaintiff made inquiries, and was assured that the extract was pure, and contained 22 per cent. of filicin. It was a well-known fact that if an article tested by the Swiss method failed to show 20 per cent. of filicin it was not pure. The plaintiff sent the consignment to a customer (Messrs. Carnegie Bros.), and the latter noticed that the cases were unbroken. Apparently the packages had not been tapped for sample. Messrs. Carnegie Bros. thereupon tapped a package themselves, and sent a sample to Mr. Parry for analysis. Mr. Parry found that the article was an inferior one, and the result was that the goods were rejected.—The Recorder asked how many experts would be called to speak about filicin, and Mr. Henderson said he proposed to call two or three chemists as witnesses.—Mr. Doughty said he did not think it would be necessary for him to call any expert evidence on the point. The evidence of two or three chemists would exhaust this country's knowledge of filicin. The inquiry appeared to be one relating to an extremely obscure drug. The defendants said that there was no standard for the article.—The Recorder said that the case was not one which a jury could conveniently try. He referred the whole matter to the Assistant Judge, who would hear the evidence, and who would be able to call in a scientific expert to assist him. The costs of the trial would go to the successful party, and the costs of the reference would be dealt with later by the Judge.

### Sale of Food and Drugs Acts.

#### COCOA BUTTER SUBSTITUTE.

At the Mistley (Essex) Police Court on October 28, the Confectioners' Material Co., Ltd., were summoned under Section 8 of the 1899 Act, at the instance of the Commissioners of Customs, for having imported into the port of Harwich 200 cases of margarine which had not been marked with the name "Margarine." Mr. Ward appeared for the prosecution, and Mr. C. H. Kirby (Messrs. Neve, Beck & Kirby) for the defendants.

Mr. Ward stated that the issue for the Bench was a very simple one, and they would only have to decide whether or no the given fat was margarine within the meaning of the 1907 Act. The definition of margarine was, by that Act, "any article of food resembling butter other than milk-blended butter." He put in the certificate of the Government Analyst, signed by Dr. J. J. Dobbie and by Mr. Andrew More, which stated that the fat in question was margarine.

Mr. More, in evidence, supported this statement, and added that the sample was of the same type as the fat known as Mapleton's Nut Butter, which had been held to be margarine in a previous decision. On cross-examination by Mr. Kirby, Mr. More agreed that the only points of resemblance between this fat and butter were its colour and consistency.

Mr. Kirby, in opening the defence, stated that they must regard the definition of margarine from an entirely different standpoint from that adopted by Mr. Ward. The definition in the earlier Act was "any substance prepared in imitation of butter," and in a case argued by Mr. Danckwerts before the High Court it was strongly urged that the motive of the butter substitutor would have to be taken into account if a butter substitute was to be "margarine" under this definition. The amending statute, therefore, used the words "any substance resembling butter" so as to get rid of the loophole implied by the words "prepared in imitation of butter." A further clue to the interpretation of the word "resembling" would be found in the one substance excepted by the amending section—namely, milk-blended butter—showing what type of substance was in the Legislature's mind.

Dr. F. L. Teed, F.I.C., F.C.S., was the first witness for the defence. He said there could be no question that this fat was not margarine. It differed from butter in everything but in having a somewhat similar colour; it could not be used for the same purposes as butter, and was never offered to the public as such.

Mr. E. J. Parry, B.Sc., F.I.C., F.C.S., also stated that in his opinion this substance was not margarine within the meaning of the Acts. He had known the substance for ten years; it consisted entirely of palm-nut stearin,



and is used as a substitute for cocoa butter. It had been imported into England to the extent of many thousands of tons per annum without ever having been objected to by the Customs before. It differed in every characteristic from butter except some similarity in colour. It could not replace butter, nor could butter replace it for the purposes for which it is used.

Mr. Clark Saunders, Editor of "The Confectioners' Union," stated that he had known the substance for ten or fifteen years. It was imported to a very large extent and used for the manufacture of cheap chocolates. He agreed that it could not be regarded or used as a butter substitute.

Mr. Stott, managing director of Loders and Nucoline, Ltd., Mr. Herbert Hymans, Chairman of the Confectioners' Material Co., Mr. Landman, managing director of the same company, and Mr. Kunzer, director of Messrs. F. Boehm, Ltd., gave evidence in the same direction. In the course of his evidence Mr. Hymans mentioned that this substance is imported into nearly every port in England by his company, and in spite of the analyses made from time to time by the Customs no exception had ever been taken to it, nor had it ever been suggested that it ought to be marked "Margarine."

The Bench, after retiring for five minutes, announced that they were unanimously of opinion that this fat did not resemble butter and was not margarine. They therefore dismissed the summons, and allowed ten guineas costs to the defendant company.

### High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

#### "SECRET REMEDIES" LIBEL ACTION.

The hearing of the action by Charles H. Stevens against the British Medical Association by Mr. Justice Pickford and a special jury has been going on all the week. Our last report left off when the Court rose on Thursday afternoon. On Friday, October 27, the first witness was Elisia R. Bohn, who had lung trouble in 1899, and was sent to South Africa in 1903 as she had tuberculosis. While in South Africa she was treated by the plaintiff with sacco and recovered. James Bailey, formerly of the Cape Mounted Police, volunteered evidence as to *umckaloabo*, a native herb, which he had found in use for chest troubles, and identified a root shown to him by the Judge as like it.

The plaintiff's examination-in-chief then commenced. Mr. Tindal Atkinson, K.C., questioning him. Stevens told how when in Birmingham in 1880 (he was seventeen then) two local doctors stated that he had tuberculosis of the lungs, and recommended him to go out to South Africa. He went, and on landing in the Colony proceeded to Bloemfontein. There he met a Dutchman who told him of an Englishman who had been cured of lung trouble. According to plaintiff's informant the Englishman had "come out to die," but a native had cured him. He went to see the native at a place called Maseru, and found his name to be Mike Kijitse, who gave him some awful-looking stuff. He had got it out of the ground, and evidently had not taken the trouble to wash the soil off before crushing it between two stones into a pulp. Witness had to boil it and drink the "tea" of it night and morning. He took the stuff for two months and got better, so that he was soon able to return to this country, and had no symptom of his old trouble except a little cough. He saw Dr. Tapner, his Birmingham doctor, again, and he told him the only sign of the trouble he could then find was a little dullness at the apex of the left lung. Later on plaintiff volunteered for service in the Boer war. He was medically examined and passed for the Scottish Yeomanry. After the war he ascertained from the native what root and herb were used in the remedy. They were called *umckaloabo* and *chijitse*. He formed a company in South Africa and sold the remedy as "Sacco," but the company was not a success. Returning to this country he formed C. H. Stevens, Ltd. He sent out thousands of circulars to medical gentlemen in this country and received a large number of replies, many of the doctors requesting him not to disclose their names. "Truth" had spoken of plaintiff's mixture being sold at

6s. 9d. per 2-oz. bottle, and "The Lancet" said it was "cruel and wicked to raise false hopes in the minds of poor sufferers." "Truth" threw out a challenge for plaintiff's company to disclose the names of the doctors. The editor communicated with some of them and subsequently published a statement containing the following passage:

"I am bound to say at once that the evidence thus given is certainly striking, and it goes some way towards justifying what is said about the drug. A West-end practitioner of good repute has just paid a visit to this office to confirm his opinion."

Witness then described the guarantees which he gave. As to the composition of his mixture he swore that he had never used krameria, and did not even know the nature of it until this case started. The first time, so far as he knew, that the defendants attacked him was in the "British Medical Journal" in August 1908. This did not do him much harm, but "Secret Remedies" did. Nearly every doctor now had a copy of it on his waiting-room table. When the first article appeared he wrote to the Association characterising the attack as a stab in the dark behind his back. He wrote:

"Any paper that can print such an article must have for its proprietors or managers the most unscrupulous persons in existence. Your analyst is either a fool or knows nothing, or has wilfully made a wickedly false report with regard to my cure, because it does not contain any krameria or kino as he says. . . Your analyst must be a raving lunatic. . . My offices, books, and correspondence are at your disposal if you will withdraw your articles if you are wrong."

Mr. Stevens went on to tell the Court he once offered to let the doctors at Brompton Hospital inoculate him with tuberculous disease so that he could prove his cure on himself, but he received no reply.

Mr. Holman Gregory, K.C. (cross-examining): And supposing the doctors had been mad enough to inoculate you at the Brompton Hospital, might it not have followed that your system under healthy conditions would have cured itself without physic?

Mr. Stevens: Well, it didn't before when I had the disease. And what position would the doctors have been in if they had inoculated you and you had died?—The "if" never entered my head.

Counsel then took witness on to the source of his supplies and regarding his company. In the course of his replies witness stated that in South Africa he made a net profit of 3,000l. a year for some time, until litigation and blackmail commenced.

Resuming on Saturday morning the witness had to explain all about the Sacco Co. formed in South Africa in October 1905. He left the company in January 1906, and it went into liquidation the following July. Someone who had been in his employ subsequently carried on business in London as the "Sacco Co." Thereafter he (Stevens) traded in Johannesburg as the South African Institute of Medicine. There he was twice convicted, and fined "for doing such things which especially belonged to the medical practitioner." He considered that the Magistrate was vindictive. In the first case he was fined 10l., and in the second 25l., on each of two counts. Before he was convicted he had sold his business to a Dr. Rhodes for at least 250l. With reference to the herb *chijitse*, Mr. Stevens said it was in common use among the Kaffirs, who called it "igqita." Hottentots called it "neeta." He was impressed by the healing properties of *chijitse* when he once saw a native put it on a cut. In less time than it took to tell a skin formed over the wound, and the healing was only a matter of time. About a year ago witness burned the skin off his face, and the same thing happened when he applied *chijitse*. He experimented with the herb, and tried the effect of it on himself by varying the degrees of it mixed with *umckaloabo*. He went straight to Wimbledon on his return to this country, and lived in a house of a few shillings a week rent. He started business almost immediately, and advertised in the Sunday papers.

After a passage between counsel and witness as to advertising and advertising media, witness was questioned in regard to letters which he had sent to "a man named Harrison, of Croydon," some of which were quoted, and



witness explained that his advertising agent had sent them. Witness added that he did not charge people who could not afford to pay. In a letter he said what he wanted was a Royal Commission to investigate his remedy. He would then secure the big reward that had been offered for a cure. To make money was a secondary consideration with him. The foremost thing in his mind was to get his cure taken up. That he considered his duty.

In further cross-examination, it transpired that witness issued a writ early this year against "Truth" for alleged libel. He was being cross-examined about his bankruptcy in South Africa when he broke down and cried. He had admitted having failed for 1,500*l.* after his profit had been as much as 6,000*l.* a year. But heavy legal expenses contributed to his failure.

Mr. Holman Gregory: Let me see, you were sued in the County Court and gave evidence. Then you were prosecuted for alleged perjury and acquitted?—Plaintiff said that was so, and gave way to tears.

Mr. Holman Gregory: You need not cry; you can take it from me, you were innocent and were acquitted.

Witness was then asked about the injection he used in some consumptive cases, denying that it was tuberculin, and adding that it consisted of *umckaloabo* and another herb, with water and a little glycerin for a preservative.

Further cross-examined on Monday, Mr. Stevens was asked about three cases which he had treated. The first was that of a Mr. Langford, who had been gold-mining in the Transvaal and contracted miners' phthisis. He settled down in Scorrier, Cornwall, gradually grew weaker, and died, although Stevens had alleged he would get well. The second case was of a Mr. Bramley, who died in April 1909 of heart failure and tuberculosis. Witness was on this case cross-examined as to the stages of consumption and in regard to an action for return of the money. The County Court Judge remarked in that case:

"I think it is an intentional act and well-considered fraud. It is a scandalous thing that poor people should be imposed upon and led to part with their money in the hope that those dear to them will be cured."

Witness was then referred to his treatment of a boy named Fred Archer, who lived at Wimbledon Park. He said he did not think he told the boy it was a hopeless case from the first. If he told him it was not a hopeless case he presumed he did not want him to worry over it and lose heart. This boy died, and witness refused the mother's request for the return of 2*l.* 12*s.* 6*d.*

Witness described the analysis of his preparation given in the defendants' publication in August 1908 as "false as it could be." He had not taken action earlier because he hated law and litigation. In addition, he did not think the "little book" would attract much attention. "Now," said witness, "there is scarcely a doctor in the United Kingdom who has not got one lying upon his table, as well as another to lend. He trots out 'Secret Remedies,' and says 'Here's what it's made of.'"

Counsel: Why, if this was false, did you not send the stuff to the analyst, Professor Hehner, before December 1911?—"I have very good reasons," replied plaintiff, "but I do not want to reflect upon the Association I am bringing this action against."

The question therefore was not pressed.

Counsel: Do you know Dr. Potter, of Johannesburg?—Yes; and he got into hot water for using my stuff for his patients and curing them. (Laughter.)

Would he be a likely person to know your drugs if he heard them?—No. I did not use the names until I came to England.

When he was in Capetown, said plaintiff, he knew a tailor named Miles had been selling a cure for consumption, and he concluded Miles took it from his premises. Witness had been able to cure Miles' son, but he was not in partnership with Miles.

Mr. Alex. H. M. Muter, F.I.C., who appeared on subpoena, said he analysed Stevens' mixture, and found no krameria.

Another instance of the use of Stevens' cure was spoken to by Mr. A. G. Hodgson, a Clacton ironmonger, who said that after suffering from tuberculosis, and being given up by doctors upon several occasions, he was treated by Stevens. Subsequently a specialist certified he was free from any active signs of the disease.

### The Defence.

At the conclusion of the plaintiff's case, Mr. Holman Gregory said he would call his evidence immediately, without an introductory speech. He did not think this was a case which called for two speeches for the defence.

Mr. Edward Frank Harrison, B.Sc., F.I.C., etc., Chancery Lane, said he undertook most of the analytical work for "Secret Remedies." About Stevens himself he knew nothing, and did not know that such a person existed. He obtained a bottle of Stevens' cure, and submitted it to analysis. It was a reddish liquid, and contained alcohol or rectified spirit 23.7 parts, glycerin 1.8 part, tannin about 1 part, and about 2.2 parts of ash or mineral matter. He took various preparations of krameria and compared them with Stevens' mixture in various ways, finding a very close resemblance. He did not consider it possible to say with the tests available whether tincture of kino might be there or not. Witness thought that Professor Hehner could not have analysed the same liquid as himself. Professor Hehner, for instance, found 10.8 of glycerin, whereas he (witness) had found only 1.8. Witness found 23 per cent. of alcohol against Professor Hehner's 11 per cent. The determination of alcohol was perhaps the simplest process, and, therefore, it was quite evident their respective examinations had been of something quite different. Colour-tests also showed it was not the same thing.

The cross-examination of Mr. Harrison commenced on Tuesday, when, in reply to Mr. Atkinson, he said he was not prepared to swear that the tannin that he had found in the mixture was not derived from Mr. Stevens' root. "Yet you supplied this statement in 'Secret Remedies,'" said Mr. Atkinson, "that the cost of a bottle of Mr. Stevens' remedy was 1½*d.*" "No," replied witness; "I say estimated cost." "Estimated cost of what?" demanded Mr. Atkinson in a loud voice. "Krameria?" "Yes," replied the witness, who was then questioned by Counsel upon the charge against Mr. Stevens of swindling. Witness would not agree that if the curative properties of the remedy were proved the whole structure of the charge of swindling was gone, and thereupon Counsel read extracts from the article in "Secret Remedies," which witness admitted was written by him.

Mr. Tindal Atkinson: Do you mean to say that a man who did the things you say he did was not a swindler?—Witness: I have not charged him with anything.

If what you have written about him were true, would not Mr. Stevens be a swindler?—I think so, certainly; there was a *prima facie* case he was a swindler.

Do you now call Mr. Stevens a swindler?—After remaining silent for about a minute, witness replied: It is a somewhat nice point. I think the evidence requires to be carefully weighed. The case has not yet been completed. I should not attach any weight to that evidence before it had been criticised.

Replying to suggestions that he might be wrong as to his figures for tannin as compared with Dr. Otto Hehner's, witness remarked that the latter's experience in the analysis of food, such as butter, was admirable, but he thought he should be careful how he laid down the law as to drugs.

Witness still regarded *umckaloabo* and *chijitse* as being fancy names, and maintained that if plaintiff had wanted to reveal his formula in a manner intelligible to the medical profession he should have used terms known to medicine.

Mr. C. E. Sage, Ph.C., F.I.C., was called to corroborate the previous witness's analysis. Mr. Hempson, solicitor for the defendant's Association, had handed him a bottle of Stevens' mixture, and his analysis showed the following constituents:

Alcohol	...	...	...	11.23	per cent.
Glycerin	...	...	...	6.84	"
Tannin	...	...	...	1.04	"
Organic coloured substance	...	...	...	2.76	"
Mineral matter	...	...	...	0.2	"
Water	...	...	...	77.93	"

He found phlobaphes in the solid substance, and explained to Counsel that this is a decomposition product of tannin. He found no alkaloid in the mixture, nor

any other active substance, and the general composition was consistent with there being something in the mixture besides krameria. He compared the reactions of Stevens' mixture with those of a preparation of krameria, and found them similar, but not exactly the same.

In cross-examination witness said that the constituent he had not been able to identify was a red-coloured substance. It was something with such an indefinite reaction that he could not follow it up. He agreed that tamin was found, perhaps, in hundreds of plants.

At Counsel's request witness mixed first a quantity of tincture of krameria with water, and then a few drops of Stevens' mixture, also in water. Both, he declared, were cloudy, the second not being so cloudy as the other.

Re-examined, witness said there was no active medicinal ingredient that he had been unable to identify.

Mr. Hempson formally proved that the bottle of mixture given to Mr. Sage was obtained from a railway clerk, named Smith. When the bottle was received it was not sealed, and two doses were missing. (Later Smith gave evidence in regard to his calling upon Stevens in November of last year and being examined by him, when Stevens declared that his left lung was rotten, and as a matter of fact three doctors had declared him to be free from tuberculosis.)

Dr. Norman R. Williamson, of Huddersfield, gave evidence as to giving Stevens' consumption cure a trial and finding it useless. Witness stated that his father was a chemist, and he himself had taken an interest in chemistry all his life. He made a preparation of kino with syrup and added some krameria to it. He found that it tasted and looked the same as Stevens' mixture. This was before he had seen "Secret Remedies." His colleagues at the Huddersfield Infirmary confiscated the first quantity of the mixture that he received from Stevens.

Mrs. Sarah Archer deposed that her son, aged twenty-three, saw Stevens in June 1908, after being ten weeks in Brompton Hospital. He obtained a three-months' course of treatment from Stevens, but got no better.

Dr. Theodore Dyke Acland, who said that he had devoted the whole of his professional life to the study of consumption and diseases of the chest, gave the Court an exposition as to the nature of consumption. Regarding the evidence of cures with the Stevens' mixture, he declared that there was no satisfactory proof of any cure by the mixture. He especially criticised Dr. Grün's evidence. His Lordship referred to Miss Bohn's case as "a case of genuine tuberculosis," and asked Dr. Acland, "Was she cured by tuberculin, by Mr. Stevens' mixture, or by Nature?" "Probably by Nature, my Lord," replied the witness. He was still under examination when the Court adjourned until Wednesday.

Dr. Acland's evidence was continued on Wednesday, and he was followed by Sir R. Douglas Powell, Bart., M.D., Dr. Price (Harley Street), and Dr. Arthur Latham, all of whom are eminent authorities in regard to tuberculosis. Their evidence was to the effect that (1) the evidence as to cases "cured" by Stevens' mixture was not convincing; (2) if they were tuberculosis, the cases may have been of the kind that sometimes get better of themselves; and (3) the eight doctors who had testified to the merit of the Stevens' mixture were incorrect. At the conclusion of the evidence for the defence,

Mr. Tindal Atkinson said that the defendants had raised two defences: (1) that of justification, and (2) that of fair comment. He wished to call the attention of the learned Judge to the case of *Joynt v. Cycle Trade Publishing Co.* ([1904] 2 K.B., 292). The head-note to that case was:

"If in criticising the conduct of a man in relation to a matter of public interest the writer goes on to impute to him base and sordid motives, there being no facts to warrant the imputation, the defence of 'fair comment' cannot be maintained in an action for libel."

Mr. Justice Pickford said that that was what he should have told the jury, even if that case had not been brought to his attention.

Mr. Holman Gregory said that it had been laid down in the case of *Dakhyl v. Labouchere* that a personal attack

might become a matter of fair comment. His Lordship would see the summing up of Chief Justice Cockburn in *Hunter v. Sharp*, a very similar case to the present.

Mr. Tindal Atkinson said that that case had been criticised, and he referred to *Odgers on Libel*.

Mr. Holman Gregory then addressed the jury for the defendant Association.

On Thursday Mr. Gregory continued and concluded his address, then Mr. Tindal Atkinson followed for the plaintiff. After Mr. Justice Pickford had summed up the jury retired, but after deliberating for some time were unable to agree, and were discharged.

## BIRTHS.

GIBSON.—At the Medical Hall, Ballybrack, Co. Dublin, on October 25, the wife of William Gibson, Ph.C., of a daughter.

KNOX.—At 83 Grant Street, Burghead, Morayshire, on October 24, the wife of George Knox, chemist and druggist, of a daughter.

LESLIE.—At 92 High Street, Haddington, on October 29, the wife of William Leslie, pharmacist, of a daughter.

WEBSTER.—At Violet Lane, Lansdowne, Philadelphia, Pa., U.S.A., on October 23, the wife of Magnus H. Webster, Ph.C. (formerly of Buckie and London), of a daughter.

## MARRIAGES.

COX—LEIGH.—At St. Mary's Church, Hendon, on October 23, Henry Stancer Cox, 13 Gold Street, Kettering, to Beatrice, youngest daughter of Mr. Leigh, of Abergelle.

HEELEY—FORBES.—At All Saints' Church, Grimsby, on October 25, Frederick William Heeley, Ph.C., F.C.S., to Muriel, elder daughter of Mr. F. S. Forbes, of Grimsby.

MOORES—ROBINSON.—At the Parish Church, Doncaster, on October 24, Samuel Gordon Moores, chemist and druggist, Halifax, to Muriel Ada, third daughter of the late Mr. J. G. Robinson and of Mrs. Robinson, French Gate, Doncaster.

NAYLOR—BEST.—At Charlton Church, Dover, on October 21, David Wilfred Naylor, chemist and druggist, of Chesterfield, to Lily Blanch, only daughter of Mr. G. H. Best, 51 Dour Street, Dover.

THOMAS—ROSS-SMITH.—At Mossley Hill Church, Liverpool, recently, William Ewart Thomas, chemist and druggist, manager at Wellington, Salop, for Boots, Ltd., to Florence, daughter of the late Mr. Ross-Smith, chemist and druggist, Sefton Park, Liverpool.

## Golden Wedding.

Marriage solemnised in the Parish Church of Hawkinge, Folkestone, in the County of Kent, of Charles R. Harwood, chemist, Folkestone, and Mary Ann Gambrill, of Hawkinge, on October 28, 1862.

## DEATHS.

BUCKLEY.—At Kettlesing Head, near Harrogate, on October 23, Mr. Herbert Buckley, chemist and druggist, aged forty-four. Mr. Buckley's death was due to being thrown out of a motor-car owing to skidding. Injuries to his head caused practically instantaneous death. Mr. Buckley was born and apprenticed at Stalybridge, qualifying in 1889. He afterwards gained experience with a Manchester house and at the Manchester Royal Infirmary before starting in business for himself nearly fourteen years ago in Bridge Street, Lockwood, Huddersfield. For some years past he had confined himself to drysaltery at premises in Lockwood Road, Huddersfield. He leaves a widow and a daughter. The funeral took place at Lockwood Cemetery on October 26, Mr. J. B. Wood (President) representing the Huddersfield Chemists' Association, of which Mr. Buckley was at one time a Vice-President.



**CLARKE.**—At 131 Milton Road, Gravesend, on October 24, Alice Mary, eldest daughter of Mr. R. T. Clarke, pharmacist, Milton Road, Gravesend, aged thirty-six.

**JEVONS.**—On October 25, suddenly, Mr. Wallis Byron Jevons, J.P., chemist and druggist, 12 King Street, Market Rasen, Lincs, aged fifty-two. Mr. Jevons succeeded his father in business. He was for a long period Hon. Secretary of the Market Rasen Dispensary and Cottage Hospital. He was said to have been the first Lincolnshire motorist and enjoyed a wide reputation as a *raconteur*. Mr. Jevons was raised to the magisterial bench early in the present year. He leaves a widow, son, and daughter.

**KEMP.**—At 52 Coverdale Road, London, W., on October 27, very suddenly from heart-failure, Mr. David Skinner Kemp, Ph.C., F.C.S., aged seventy-seven. Mr. Kemp was the founder of the business of Kemp & Co.,



MR. D. S. KEMP.

Ltd., Bombay, and lived in that city, becoming one of its Magistrates until he retired in 1885, the business having become the largest of its kind in India. Mr. Kemp was the youngest son of Mr. Robert Kemp, Edinburgh, his oldest brother being William Kemp, LL.D., Rector of the Glasgow High School, and another brother was Mr. James Kemp, editor and proprietor of the "Hong-Kong and Shanghai Gazette." Mr. D. S. Kemp was apprenticed to Messrs. Baildon & Co., Princes Street, Edinburgh, and was one of the first in Scotland to pass the Preliminary examination of the Pharmaceutical Society when the North British Branch was established in Edinburgh. He was registered early in 1852, at the same time as Mr. H. C. Baildon's senior apprentice, Mr. Robert Jamie (afterwards of Singapore), passed the Minor examination. In April 1854 the Council of the North British Branch presented Mr. Kemp with the Register Fund medal in silver, and a year later he passed the Minor examination and shortly afterwards the Major. It was the custom in those days for Major men to remain Associates of the Society if they so desired, so Mr. Kemp was not elected a member until 1861, when he was in Bombay. At Baildon's he was highly esteemed and received an excellent training, Mr. H. C. Baildon being an accomplished pharmacist and excellent business man, who had the gift of instructing his apprentices well in business and technical methods. After his apprenticeship Mr. Kemp went to Paris about 1856, and remained there for some time as an assistant, having as a colleague the late Mr. Mellin, the inventor of Mellin's Food. In 1860 he went out to Bombay as assistant to Messrs. Rogers & Co., and soon became a partner. On the dissolution of the business in 1864 he commenced on his own account with two Parsee gentlemen, Mr. D. C. Watcha and Mr. P. N. Powry, as partners. The business developed steadily, and fine premises were afterwards erected for it in Elphinstone Circle, Bombay, branches being established in Byculla and Cumballa Hill. In 1882 the business was converted into a limited company, Mr. Kemp being manager, and he retained that position until 1885, when he came home to reside in London. He was succeeded in the management by the late Mr. J. Bristed, and later by Mr. Alfred Pell, F.C.S., J.P., the present able manager. Many well-known pharmacists have during the past four decades extended their experience on the staff of Messrs. Kemp & Co., such as Mr. Thomas Stephenson (Edinburgh), Mr. J. G. Prebble (Chislehurst), and the late Mr. S. F. Goss. Mr. Kemp was from his earliest days a keen observer, and he had no sooner gone out to India than he realised the importance of Indian drugs, many of which

were scarcely known in Europe. It is to him that we owe the introduction into modern therapeutics of araroba, or Goa powder as it was then called. In 1864 he sent specimens of the powder to the Pharmaceutical Society, with a paper on the subject, which was read at the February evening meeting in London. On that occasion Mr. Daniel Hanbury said that Goa powder had not been tried in this country, and Professor Attfie'd also spoke, confirming generally Mr. Kemp's observations. Later the Professor made a thorough chemical examination of it, and stated that its active principle is chrysophanic acid, or (as he many years after said when chrysarobin was proved to be the active principle) potential chrysophanic acid. Araroba had long been used in Brazil, whence the Portuguese took it to their settlements at Goa; then it filtered to the Bombay market. Though these facts were known in Europe, it was not until Mr. Kemp's observations and Professor Attfie'd's research that araroba became an established therapeutic agent. It is interesting to note that during a visit home in December 1866 Mr. Kemp presented a number of Indian drugs to the North British Branch, among them what were described as "camphor of peppermint" (i.e., menthol) and "camphor of ajowan" (i.e., thymol). These specimens were regarded with great curiosity, for they were not at that time used medicinally in this country. When the Indian and Colonial Addendum to the British Pharmacopœia of 1893 was published, Mr. Kemp communicated to THE CHEMIST AND DRUGGIST of December 17, 1893, a paper describing the various drugs in the Addendum, and his article contained a figure and description of a water-bath percolator which is used in India for the preparation of fluid extract of bael-fruit. Mr. Kemp was elected a Fellow of the Chemical Society in 1867. He had been connected with the Pharmaceutical Society for exactly sixty years. He was a Fellow of the Bombay University, having been an Examiner in Chemistry for some years, a captain in the Volunteer Corps, and under him all the local pharmacists enrolled themselves. He is survived by Mrs. Kemp, one daughter, and three sons. One son is Surgeon-Major David Claude Kemp, I.M.S., who did special plague work in India in 1898. The others are barristers, one of them Chief Judge of the S.C. Courts, Bombay, and the third is acting Chief Magistrate and Revenue Judge in that city.

## GAZETTE.

### Partnerships Dissolved.

CUFF, DR. R., and KIDD, DR. W. S., Scarborough, general medical practitioners, under the style of Cuff & Kidd.

JAMES, C. H., and CHAMBERS, F. J., Promenade, Cheltenham, wholesale chemists, under the style of James & Chambers.

### The Bankruptcy Acts, 1883 and 1890.

#### ADJUDICATIONS.

MCQUIBAN, W., 156 Lordship Road, Stoke Newington, in the County of London, bachelor of medicine.

WALKER, T., Bath Road, Worcester, lately residing and carrying on business at Kirk's Drug-stores, Newcastle-on-Tyne, chemist's assistant.

## Private Arrangements.

THE adjourned meeting of the creditors of Alick Stephen Betts (deceased), lately trading as John Betts & Son, chemists and druggists, The Thoroughfare, Woodbridge, Suffolk, was held on October 24, when a resolution was passed confirming the deed of arrangement, and a committee of the principal creditors was appointed to act with the trustee.

A MEETING of the creditors of Brager & Co., Ltd., druggists and sundriesmen, 207 Pentonville Road, London, N., was held at the company's offices on October 23, when it was reported that the shareholders had on October 11 appointed Mr. Brager to act as liquidator of the company. It was reported that the unsecured liabilities amount to 160% to 180%, all of which were due to trade creditors. There are also two debentures for 300%. Against that there were assets consisting of stock about 20%, fixtures and fittings 20%, and book debts 30%. The debenture-holders had not appointed a receiver. A resolution was passed in favour of the appointment of Mr. R. T. Baker as liquidator.



## WINTER SESSION.

Secretaries of Associations whose meetings are not open to reporters are requested to send their reports to the Editor not later than the Wednesday or Thursday following the meeting. Notices of meetings to be held are inserted under "Coming Events" if received by the Editor not later than the Wednesday of the week before the meetings are held.

**Aberdeenshire.**—The West Aberdeenshire Chemists' Association met in Aberdeen on Monday, October 23, before the mass meeting of the chemists of town and country. The proposed tariff for *National Insurance Dispensing* was discussed and disapproved. The mass meeting was addressed by Mr. J. Rutherford Hill. About eighty chemists were present, and half of them left after Mr. Hill's speech, as an indication that they would take no part in discussing the proposals. A heated discussion by the residue followed, and an amendment to delay approval of the tariff received thirteen votes, against thirteen for immediate approval.

**Birkenhead.**—Mr. Woodfield Cooke presided at a meeting of the Birkenhead and Wirral Association of Pharmacists held on Thursday, October 24, when Mr. Stephen Jones spoke on the position of pharmacy to-day, and briefly outlined how matters stand under the Insurance Act Regulations, and after discussion the following resolution was carried unanimously:

"This meeting of pharmacists authorises the Secretary of the Birkenhead and Wirral Association of Pharmacists to send reply-paid postcards to each registered chemist and corporate body asking them to pledge themselves not to have any dealings or give any quotations or information to any person or association of persons desiring such, but to refer them to the Hon. Secretary of this Association."

A Special Emergency Committee was appointed consisting of Messrs. Cooke, Elder, Wynne, Jones, Cooling, and Rowlands. Four new members were elected—viz., Messrs. Langman, Dodsley, Aspinall, and Foxon.

**Birmingham.**—A well-attended meeting of the Midland Pharmaceutical Association was held on October 23 at the Grand Hotel, Mr. Radford, the newly elected President, filling the chair. The company included Messrs. Gibson (Wolverhampton), Gerrard (Oldbury), Tranmer (Smethwick), Buckingham (Aston), Thompson (Sparkbrook), Lowther (Moseley), Watson (King's Heath), Poole, Barlow, Prosser, and A. W. Southall. Messrs. Gibson, Poole, Barlow, Alcock, Thompson, Lloyd, Gerrard, and others took part in the discussions on the Insurance Act and the Shops Act. It was decided to appoint a committee of seven to act as a deputation to the local Insurance Committee and also to the local Medical Committee. A strong feeling for and against applying for a closing order left matters *in statu quo*.

**Cardiff.**—Mr. E. Poole presided at a meeting of the Cardiff Pharmaceutical Association held on Wednesday, October 30, when the business included Insurance Act matters, Bovril prices locally, and the proposed closing order under the Shops Act, which the Town Clerk stated in a letter is being proceeded with as speedily as possible. The annual report was then read. It showed that the membership of the Association is 98 per cent. of the possible. Much of the report was devoted to what has been done in regard to National Insurance work. The following officers were then appointed: *President*, Mr. G. Thomson Williams; *Vice-President*, Mr. W. R. Williams; *Secretary*, Mr. F. Lea; *Assistant Secretary*, Mr. J. Murray; *Commercial Hon. Secretary*, Mr. J. D. Jenkins; *Treasurer*, Mr. E. Poole. The following were elected the Executive Committee: Messrs. A. Hagon, Jabez A. Jones, J. Reynolds (Barry), J. Blake Benjamin (Penarth), D. Thomas, J. B. Thomas, Leo Joseph, W. H. Thomas, and Ben Reynolds. Messrs. D. Brims and Owen Jenkins were chosen as auditors.

**Dispensers.**—Mr. T. H. W. Idris presided at a meeting of the Public Pharmacists' and Dispensers' Association held at 17 Bloomsbury Square, London, W.C., on the evening of October 30, when Sir Victor Horsley, F.R.S., gave an inaugural address. The Hon. Secretary (Mr. J. H. France) announced that as a result of a memorial to the Local Government Board regarding Poor-law dispensing in the Metropolitan area, the Board had stated that in future applications for increase in salary above the present maximum will be considered under the special circumstances. In commencing his address on *Legislation of To-day, and its Effect on Medicine and Pharmacy*, Sir Victor denied ever having been consulted by the Government in reference to Medical Benefit under the Insurance Act, so that he discussed the Act as an unprejudiced critic. The idea underlying the Act originated with Mr. Curwen, of Carlisle, in 1817. Having explained the principles of the statute, he dealt with its

administration, saying, as regards representation, that medical men have no claim to a majority on committees, as they act for a wage. The local Medical Committees, influencing the actions of their delegates on the Insurance Committees, would, in his opinion, amply protect the interests of the medical profession. He asked if the latest financial pronouncement as to the supply of medicines is adequate provision for pharmacists to work the Act, first as to the quantity of drugs and appliances, secondly as to their quality, and thirdly as to the value of time and work. He gathered that it is thought the provision will be adequate. He said this was not the experience in Germany, where the average expenditure is over 4s., but the German scheme is of quite a different character, and provides large sums for baths, milk, appliances, spectacles, false eyes, trusses, and even artificial teeth; so that we cannot compare the two schemes. The possible remuneration in this country may be inadequate, but he thought that judgment should be suspended and the question of prices revised at the end of three years. As science progresses drugs must cost more and more, and he thought the tariff must be revised on an upward scale. The medical battle is much simpler than the pharmaceutical one, yet there had arisen a whole cloud of confused debate. The lecturer showed by a diagram on the blackboard how this arose, owing to the transference of private medical practice to contract work, and as no one knew where this would stop, uncertainty had caused a certain amount of panic which was not unjustifiable. His advice was to work the Act provisionally. At the end of an interval there would be accurate book records, and if these showed a loss the nation would make it good. If not, they held the nation in their hands. The Insurance Act could not stop where it is. Institutional benefit is bound to come, and Poor-law reform is bound up with it, and this would settle the scandal of pharmaceutical administration under the Poor-law system. It is wholly immoral, he said, for the State to expect expert assistance for nothing, and that means the hospitals must come under the Act. In conclusion, he said the Act meant relief to the suffering, greater physical well-being of the community, and total eradication of preventable disease. With almost pathological acumen the Act had begun at the right end of the list with tuberculosis.—Considerable discussion followed, the point being raised whether the supply of medicines would not be worked better through dispensaries rather than private chemists. Some attempted to give figures to show that 1s. 6d. per head is not enough, others enough. In reply, Sir Victor Horsley said they must assume that the provision is adequate to try the experiment, and all pharmacists have to do is to watch this point. He considered that the supply of medicines should be through the retail pharmacist. Votes of thanks to the lecturer, the Chairman, and the Pharmaceutical Society ended the meeting.

**Eugenics.**—At the annual meeting of the Association of Women Pharmacists, held at 17 Bloomsbury Square, London, W.C., on October 28, the business consisted of an address by Dr. C. W. Saleeby on *The Progress of Eugenics*. Despite the wretched weather, the large lecture-hall was filled with an attentive audience, mainly of ladies. Miss Margaret Buchanan (President) occupied the chair. The lecturer, after an historical introduction, spoke of positive eugenics, Sir Francis Galton being cited as an example: he was a Darwin and allied to the Wedgwood family. Difficulties arise because persons of ability would not be dictated to, and each element of character, he believed, was transmitted separately, and it was possible that the same components may not enter the progeny. Accordingly negative eugenics dominated the situation—i.e., the discouragement of parenthood on the part of the unworthy—four types being specially designated: those with a naturally insane tendency, the feeble-minded, epileptics, and congenital deaf mutes. American investigators had elucidated completely the inheritance of these human defects, which followed Mendelian principles. Even organo-therapeutical products would not turn a deaf mute into a normal person. These faults were inborn and ineradicable, and the cause—ancestry—must be treated. They could not be cured by imprisonment or education. At present the care of the feeble-minded girl ceased after sixteen, although she always remained a wayward and unmanageable child. The Mental Deficiencies Bill, which it is hoped will be law this year, would correct this. Agents originating defects in worthy stock must also be dealt with, such as racial poisons, lead, and alcohol. In doses not too great to allow it to be completely oxidised, alcohol does not injure the germ plasma, but there is evidence that large doses do so, the degeneration being capable of detection microscopically. At the International Eugenics Congress Dr. Mjöen explained how in consequence of this discovery legislation had been effected in Norway which taxed strong alcoholic beverages much more heavily than their relative alcoholic content as







place on the National Insurance Act, Mr. E. H. Holden presiding. Mr. J. Lees, a member of the local Insurance Committee and a Sanatorium Sub-Committee, related what was being done by those bodies. Most of those present took part in the discussion. A resolution favouring negotiations with the local Insurance Committee was adopted, and an Insurance Sub-Committee was appointed.

## FESTIVITIES.

### Chemists' Assistants' Association.

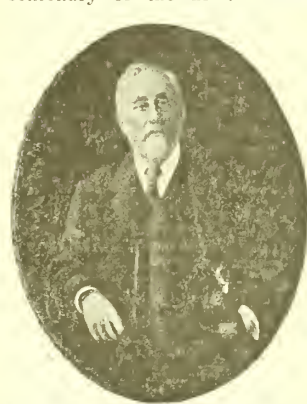
The first social evening of the session was held at 73 New-man Street, London, W., on October 24, and was well attended. The musical programme included songs and pianoforte selections by Messrs. Malone, Evans, Gosling, Jones, Phillips, and Haigh. Mr. Roberts provided a gramophone, but the chief interest of the evening centred in the card-tables, which were well patronised.

### Soap Specialists Dine.

The inside and outside staffs of Messrs. Edward Cook & Co., Ltd., soapmakers, Bow, London, E., to the number of 120, held their annual dinner at the Holborn Restaurant, London, W.C., on October 19. Mr. Thos. Alex. Cook was, as usual, in the chair, and all was "merry and bright." After the customary speeches and toasts, an excellent programme of music was gone through, among the singers being Mr. Fred Wilson and Mr. Will Bentley, also Mr. Gerald Adams, whose rendering of Blumenthal's "Evening Song" was received with great applause. Perhaps the most enjoyable event of the evening was a sketch entitled "The Old Soapmaker," in which Mr. Alf. Jessep appeared as "Daddy, the Old Soapmaker," supported by the Bow Bells Glee Party. The evening concluded with a vigorous rendering of the House song "Bow Bells," in which the whole company joined. The programme of the evening took the form of a special issue of "Ye Bowe Bells Magazine."

### Conversazione.

The employés of Messrs. Potter & Clarke, Ltd., to the number of over 250 assembled in the Bishopsgate Institute, London, on Friday evening, October 25, to celebrate the centenary of the firm. Among those present were the directors — Alderman Henry Potter (Chairman), Mr. H. A. Potter, Ph.C., and Mr. R. C. Wren—with their wives. Mrs. Goddard Clarke was also present, and her gift of chocolates to the ladies was much appreciated. The occasion was doubly notable for the fact that the opportunity was seized to mark the jubilee of the Alderman's connection with the business, and on behalf of the staff and his colleagues Mr. R. C. Wren presented Mr. Potter with his portrait in oils and a gold and pearl brooch to Mrs. Mrs. Potter, wishing both of them continued health and happiness.



THE PORTRAIT OF MR. POTTER.

Mr. Matthew Thomas, of the Manchester staff, endorsed Mr. Wren's appreciative remarks. Alderman Potter, in replying, recalled the work of earlier days, and thanked the company for their handsome gifts and the kindly remembrance of his wife. He spoke gratefully of the services to the firm of those who had been with them from twenty to forty years. During the evening an excellent musical programme was gone through, most of the items being given between dances. Mrs. H. A. Potter, Miss Baldwin, Miss Phorn, Miss Osmonde, Miss Millidge, Mr. Ernest Chery, Mr. Owen Way, Mr. Thomas Noakes, and Mr. King contributed.

### Nottingham Pharmaceutical Association.

The annual dinner of the Nottingham and Nottinghamshire Pharmaceutical Association was held at the Victoria Station Hotel on October 24. Alderman R. FitzHugh presided, and Mr. Edmund White represented the Pharmaceutical Society. Over fifty members were present. The speeches were short, and there was a good musical programme. Mr. W. Gill proposed the toast of "The Pharmaceutical Society," which was responded to by Mr. Edmund White. The speech dealt mainly with the National Insurance

Act, which the speaker said is going to have an effect on pharmacy that could not be over-estimated. The Act gives the opportunity for the separation of prescribing and dispensing. Incidentally he said that the Chancellor of the Exchequer has stood the good friend of the chemist throughout the crisis which had arisen through the measure. If the Chancellor had been weak enough he could have settled his troubles by giving the doctors the dispensing. And chemists should remember that the medical practitioner is dependent for part of his income on what he receives for dispensing. The new terms offered to the doctors would pay them so well that they would be able to give up their dispensing, which they did not like. The members of the Association should not forget that they have to please the public in the end. The public have been brought up to get their medicines from the doctors, and it is up to the pharmacists to show them that they cannot do better than by going to the pharmacist. "The City and Trade of Nottingham" was proposed by Mr. A. E. Beilby, and replied to by Councillor J. T. Spalding and Councillor S. Cook. Mr. Harry Gill proposed the toast of "The Association," to which Mr. C. F. Carr responded. "The Visitors" was submitted by Mr. A. Middleton and replied to by Mr. Lewis and Mr. G. Preston.

### Dinner in Rhyl.

AFTER the meeting of North Wales chemists in Rhyl on Wednesday afternoon, Sir Edward Evans, J.P., Past President of the British Pharmaceutical Conference, entertained the company to dinner at the Queen's Hotel, and after the loyal toasts had been disposed of, Sir Edward said it was with extreme gratification that he attended such a large and representative gathering of pharmacists. But for the fact that it was market-day in several towns and the exigencies of business more could have been present. Such a gathering had never before been held, and it spoke volumes for the organisation that they could get such a gathering of those who would be such important factors in the

### WORKING OF THE INSURANCE ACT.

He was pleased to be able to say that the pharmacists of Wales had approached the Act not in a spirit of antagonism, but that the criticism they had given to it had been with an endeavour to carry the Act into effect and to secure those benefits to which they felt they were justly entitled. (Applause.) That had also been the spirit in which they *in camera* had discussed the Act that day. He believed that as the Act came to be worked they would find that the temper and spirit in which the pharmacists approached it would not only be of benefit to the insured under it, but that they would get good from it by the willing assistance of the pharmacists as well as of the medical men. (Applause.) Mr. W. Hughes (Conway) proposed the toast "The Pharmaceutical Society of Great Britain," which Mr. E. T. Neathercoat acknowledged, commending, in the course of his speech, the work of Mr. J. B. Francis. The toast "The Local Associations of Wales and Monmouth" was given by Mr. Wooleock. In replying, Mr. A. Hagon paid a high tribute to the work of Mr. J. B. Francis. They had in Wales and Monmouth, he said, twenty-two Associations, and 560 names had already been placed on the panel. That meant that upwards of 2,000 letters had been written by Mr. Francis, and he hoped that every pharmacist would see that he was affiliated to an Association. Mr. J. B. Francis's health was then enthusiastically drunk, Mr. R. G. Shorthouse (D. & W. Gibbs, Ltd.) acting as accompanist for the musical honours. Mr. Francis, in responding, thanked Sir Edward Evans for his hospitality, and concluded by proposing "Our Host." Sir Edward, in his reply, said he felt it was not only a great privilege but a pleasure to preside over the largest and most representative gathering of pharmacists ever held in Wales; not only because he was a Welshman, but because he believed he knew more pharmacists than any man in the United Kingdom. He also realised that their interests were identical. (Hear, hear.) Wales had led the way in organisation, and he hoped the rest of the country would follow that excellent example. (Applause.)

SHOP INSPECTORS are looking sharply at chemists' shops. Medicines and medical and surgical appliances may be sold during closing hours if the statutory notice is exhibited. Two are necessary, and are supplied in card form for 8d. post free by THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.

LEGISLATION respecting gambling in "options" and "future" contracts is the subject of reports from the Canadian Government and H.M. representatives abroad, which have been issued as a White Paper [Cd. 6441, 2*nd* ed.]. Since the issue of previous reports (1893, 1904, 1907) important legislative changes have taken place in Germany and France respecting dealings in "futures" on 'Change.



## OBSERVATIONS &amp; REFLECTIONS.

By Xrayser II.

## Professor Cushny's Ideas

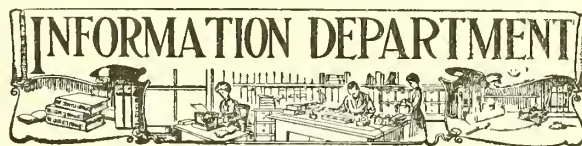
are those of a professional man who knows little of the actualities of business life, and his proposed remedies for the proprietary-medicine evil are, I fear, rather visionary. His first proposal, to educate the public, is excellent, but who is going to take the time and the trouble to do the educating? Professor Cushny's great card is, however, to limit the protection of a proprietary medicine to fifteen years, by which, I suppose, he would put trade-marks in the same category as patents. But if he is to attack property in this way he must attack it all round, and not confine it to medicinal trade-marks only. At the same time there are not a few people who believe that the man who can think out a patent device for improving machinery or methods of manufacture deserves as much protection as does the man who hits on a popular word, and by a little judicious advertising manages to make it a valuable trade-mark.

## The New Terms

offered by Mr. Lloyd George for medical benefit must be regarded as an ultimatum; the alternative lies between the acceptance of them by the profession and the establishment of a State Medical Service. Some of the newspapers are, I see, expressing the hope that they will be rejected, but this is hardly likely; the opportunity for what the papers referred to think the better plan is almost certainly deferred for three years, and unless the opinion, still held by many doctors, that the Act in spite of these new terms is unworkable proves to be correct, for a much longer period. The question, How will the new terms affect us? is therefore pressing. We are now assured of a "minimum wage" of one-and-sixpence (with a possible maximum of two shillings) per head of insured persons. The extra sixpence depends upon how the doctors prescribe, but in no case (it seems), except that of an epidemic, can we get more than two shillings. Will this prove enough? The question cannot be answered with any approach to certainty until the scale of payments is issued, and not even then with complete certainty. We may, however, assume that the doctors will so prescribe as to retain as much as possible of the extra sixpence, if not the whole of it, for themselves, and this will tend to increase our profit on the lower rate.

## Tinctures Fifteen Years Old

are surely only seldom to be found on the shelves of any pharmacist, and I am surprised and sorry at the statement in your last week's issue that several tinctures of the 1885 Pharmacopœia had been found in Birmingham. Even assuming that certain tinctures are not very frequently called for, that is no excuse for having fifteen-year-old stock on hand; indeed, it is all the greater reason for having little-used tinctures as fresh as possible, for it may be argued that such are only called for in unusual and perhaps critical cases. There is, I know, a belief among many of us that tinctures do not deteriorate, that in fact they improve, becoming more concentrated by the evaporation of spirit; but we must not forget that with potent drugs concentration may be even worse than being too weak. Further, in view of what we are now told about preparations of aconite, coca, digitalis, and some other drugs, there is every reason to fear that serious deterioration does take place, but in any case it is far from satisfactory that such old stock should be in any pharmacy.



Postal Address:  
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.  
[Telegraphic Address: "CHEMICUS LONDON."  
Telephone No.: BANK 852 (two lines).

## INFORMATION WANTED.

We would be obliged if any reader would inform us by post-card or telephone who are the makers or agents of the articles mentioned in the following inquiries:

- 90/26. "A M O" brand opal pots.
- 99/17. Sleeman's Pasteurizer: supply.
- 106/380. "Mousmé" perfume: supply.
- 98/30. "Hudson's Liver-salt": suppliers.
- 98/38. "Tahnack" tooth-powder: makers.
- 103/37. "Canadian Pine Balsam": supply.
- 91/14. Pinewood paper toilet-rolls: makers.
- 103/16. Nurse Blanchard's infants' syringes.
- 97/3. Pomade Divine (Ogilvey): proprietors.
- 107/21. "Acme" inhalers: makers or agents.
- 105/34. "Wrendall" hot-water bottle: makers.
- 103/74. "Fluol": what is it and who supplies?
- 105/57. "Dr. Stanley's Pills": makers or suppliers.
- 103/57. "Golden Shield" brand tooth-powder: makers.
- 106/38. "Dr. Williams' Throat-pastilles": proprietors.
- 106/52. Hyman's Black Bottle for Consumption (Loisell frères).
- 99/18. Rich Bros., soap and perfumery manufacturers: address.
- 106/59. "Meteor (or McTear) Electric Powder" for arthritis: makers or agents.

## INFORMATION SUPPLIED.

During the past week we have answered inquiries as to the makers or sellers of the following articles. The information will be repeated to other inquirers who send to this Department a stamped and addressed envelope for the purpose.

- |  |  |
|--|--|
| Abnutt's fumigating-paper, 100/37        | Mercolised wax, 101/49                               |
| Boranium, 101/33                         | The Mexicain (Jawa) (Egyptian inquiry), 103/64       |
| Bottle-brushes, makers, 98/46            | Mitin, 103/36  |
| Calcium guaiacol sulphionate, 100/65     | Neurol, 106/39                                       |
| Castel et fils (olive oil) agents, 93/44 | Oatine Co.'s preparations, 102/11                    |
| Celluloid goods, 104/56                  | Opal glassware, 101/470                              |
| Cork pressers (circular), 98/9           | "Penetras," 103/30                                   |
| Cork sheeting, 101/12                    | "Pheminol," 97/23                                    |
| "Cremex" shampoo (export), 106/311       | Pink cleaning wool, 106/14                           |
| Dalby's carminative, 106/31              | "Primrose" soap (American inquiry), 100/52           |
| Discaïne, 103/58                         | Pulsocon, 104/26                                     |
| Enamelled tins (decorated), 101/47       | Purgen, 106/310                                      |
| Frozen foam, 101/8                       | Radio-active minerals, 99/70                         |
| Girard's iron, 99/500                    | Rawson suspensory bandages, 103/26                   |
| Glauber's salts (for Norway), 105/68     | Red oxides (for cement colours), 96/19               |
| Gre-Solvent, 103/17                      | Rubber corks, 98/4                                   |
| Guipsine, 99/600                         | Sacco, 103/27, 103/57, and 106/43                    |
| Helfoplast, 105/190                      | Seamless Rubber Co.'s goods, 98/5                    |
| "Homeware" specialities, 100/16          | Serica soap, 102/9                                   |
| Hot-water bottle (special shape), 105/34 | Steam-vaporisers for face-steaming, 100/69           |
| Igazolo, 102/10                          | Sulthine, 106/53                                     |
| Iodogenol, 105/19                        | "Swig" vermin-killer, 105/19, 105/10, and 106/9      |
| Joha, 102/41                             | Talcum tins, 101/47                                  |
| Kola nuts (fresh), 102/2                 | Tube brushes, 98/460                                 |
| "La Kronatine" face-powder, 102/51       | Vials' carbolised syrup, 99/5                        |
| Macaroni with Gluten, 106/37             | Vials, dispensing (cheap varieties for Syria), 102/7 |
| Metallic capsules (for Madras), 107/10   |  |

SULPHATE OF COPPER IN ITALY.—The unusually high wine prices of the last season caused a rapid increase in the use of copper sulphate in the Bari district of Italy. From 1,461 tons in 1910, imports rose to 4,841 tons in 1911, and are still showing an upward tendency. Of the total quantity imported, the bulk came as usual from the United Kingdom, and only a tiny part was supplied by the Italian industry.

"Sanitas Disinfecting Fluid,"  
 "Sanitas Crude Disinfecting Fluid,"  
 "Sanitas Oil,"  
 "Sanitas Okol Fluid," 20 Co-efficient,  
 "Sanitas Bactox Fluid," 20 "  
 "Sanitas Creocide Fluid," 5 "  
 "Sanitas Soldis Fluid," 2 "  
 "Sanitas Pinos Fluid,"  
 "Sanitas Sulphur Fumigating Candles,"  
 "Sanitas Sulphugators,"  
 "Sanitas Formic Sulphugators,"  
 "Sanitas Formic Lamps,"  
 "Sanitas Formigators,"  
 "Sanitas Drain Testers,"  
 "Sanitas Weed Killer,"

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## LIQUORS

## Editorial Articles.

### National Insurance Dispensing.

In the course of his speech to the Advisory Committee last week the Chancellor of the Exchequer said: "Sir William Plender's report shows that the drug-bill of the doctors in the five selected towns was something like 5*d.* per head. That was simply the cost price of the drugs to the doctors." The calculated 5*d.* is an error. Sir William Plender's figures were for five towns: Darlington, Darwen, Dundee, Norwich, and St. Albans, the total population of which was estimated at 406,382; but in the case of Dundee medicines were expressly excluded, and a statement to that effect was included in the report—viz., "*the practitioners' income in Dundee does not include medicines.*" Allowing, therefore, for Dundee, the total cost of medicines, 7,263*l.*, has to be divided by 241,445, which gives a fraction over 7½*d.*—the figure which we gave on July 20, when we said:

"To chemists the important item in the outlay is the cost of the medicines as received from the wholesaler, which on the above figures works out at 7½*d.* per head per annum. This is without payment for skill and knowledge in compounding, labour, rent, rates, taxes, and other incidental business expenses, which are greater in the case of the chemist than the doctor. It follows that, however crude the basis may be, and not forgetting that doctors are inclined to dispense the minimum and prescribe the maximum, the 1*s.* 6*d.* per head per annum for medicines and appliances under the Insurance Act is not overwhelmingly generous."

The Chancellor of the Exchequer's 5*d.* is got by dividing 7,263*l.* by 406,382, which includes Dundee. This is an error which is most serious to chemists, for it is upon this 5*d.* that negotiations for dispensing remuneration appear to have taken place. An error in premises to the extent of 50 per cent. cannot be condoned, and although it is only in respect to one of the items which go to make up dispensing charges, the under estimate cannot have failed to influence prejudicially the case for a fair working basis for chemists. Now that this inaccurate average of 5*d.* has gone forth to all the Insurance Committees and the public, we consider that something should be done by the Commissioners to make good the error, as by intimating the fact to the Committees, and instructing them to allow for the error in coming to arrangements with chemists. Under any circumstances chemists' local

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Finest Extra Special		Finest Compound LIQUORICE POWDER	8 & 1/ lb.
BORACIC ACID	34/ cwt.	PUMICE POWDER	35/ cwt.
POWDER, Finest		Extra Finest Levigated	
No. 1 Finest Pure	27/ cwt.	No. 1 Finest Light Pure	25/ cwt.
CRUSHED LINSEED	13/ 6 = 3/ 4 cwt.	PRECIP. CHALK	22/ cwt.
No. 2 Pure	26/ cwt.	Finest Pure STARCH POWDER	32/ cwt.
CRUSHED LINSEED	13/ = 3/ 4 cwt.	Finest Pure TOILET	
No Oil Extracted		OATMEAL. SPECIAL	
Best Cleaned	27/ cwt.	Finest Levigated	18/ cwt.
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Ditto, Medium Crystals			
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Ditto, Foreign	9/ 6 "		
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 MANUAL OF PHARMACEUTICAL TESTING. 2/6, by Post 2/9.  
 OPENING A PHARMACY. (3rd Edition.) 2/6, by Post 2/9.  
 THE CHEMISTS' DICTIONARY OF SYNONYMS. 2/6, by Post 2/8.

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committees should not overlook the error, and it would be perfectly fair for them to insist that it should not be used against them in negotiations as to prices.

It is intimated that representatives of chemists and the Insurance Commissioners are engaged in the final arrangements for a model dispensing tariff under the Act, but it may be three weeks before this work is completed and local Insurance Committees are in a position to negotiate with chemists for the dispensing of medicines and the supply of drugs and appliances. The Commissioners decline to bind Insurance Committees to any tariff, but they agree to the following:

1. To accept the principle of remuneration by reference to a tariff.
2. To approve a model tariff accepted by any Insurance Committee.
3. To accept the principle of a separate charge for (a) each item of a prescription dispensed; (b) the container, if supplied; and (c) for the work of dispensing.

The predominating view of the trade favours the third principle; a small minority favours payment *per capita*; and there is not much advocacy for charges, such as so much for an 8-oz. mixture or a dozen pills or powders. Therefore chemists' representatives have secured the favourite principle, which was so fully exemplified by a series of articles in THE CHEMIST AND DRUGGIST months ago. It seems to be the best, but the clerical work entailed looks a serious handicap—serious, perhaps, because it is still in the region of the unaccustomed and unknown. From letters which have been addressed to us we gather that some chemists labour under the idea that they must do the dispensing in their localities, while others think that they will lose if they do it at 1s. 6d. per head. It is desirable that there should be no misunderstanding on these points, and we note, in the first place, that unless in exceptional cases of dispensing by medical men, provided by regulations, dispensing of prescriptions is reserved by Section 15 (5, iii) to—

(1) Registered chemists and druggists and pharmaceutical chemists.

(2) Companies (*i.e.*, bodies corporate) whose businesses are in each case under the charge of a registered chemist as superintendent, and otherwise conducted as the Poisons and Pharmacy Act, 1908, prescribes.

(3) Firms in Scotland conducting their businesses in the same manner.

As already explained, these traders are not compelled by the Act to dispense. The procedure provided is that Insurance Committees in each locality prepare lists of (1), (2), and (3) in the place, as they are entitled to get a share of what is going. They may take it or leave it, and if they have very strong objections to going on the lists (or panel) they have only to say so, and their wishes will be granted; but it would be more businesslike to get one's name on the list, and reserve judgment as to refusal until the terms for dispensing and supply are settled; then they may accept or refuse, as it pleases them. It is clear that it will not suit a number of chemists to undertake the dispensing, because the work is not of their class. An impression appears to be growing in the trade that the "three-year dispensers" mentioned in Section 15 (5, iii) may undertake the dispensing independently—*i.e.*, like (1), (2), and (3)—so that if they ever start business on their own account they will get on the dispensing panel. This is quite erroneous. The only privilege that the sub-section gives these dispensers is that of being employed by registered chemists, firms in Scotland, and companies as dispensers. Outside this they have no right or privilege which they had not before the Act was passed.

In the first portion of this article we have said that the amount allocated for medicine is not generous; many believe that it is quite inadequate. The most striking manifestation of this comes from Aberdeen, where a meeting of the chemists of the county emphatically declared against the proposed arrangement, one-half leaving the meeting after hearing it, and a majority either way of the rest was not secured. It is no secret that Aberdeenshire chemists months ago made a complete analysis of prescriptions dispensed, and found that when calculated out to the *per capita* basis it came out at about 3s. That is what they want now; and they protest strongly against Scotland being treated on the English basis. We understand that the aim of the Standing Committees has been to get the highest possible minimum, and if 1s. 6d. is their ascent from the 5d. which was in the official mind, we see how far they had to go. At the most 2s. per head will go into the pool to pay for all the physic and appliances prescribed by the doctors. If the latter, as is possible, rely more upon hygiene and *régime* than upon physic, the more likely are chemists to be paid well for what they dispense and supply. But if the chemists' bills amount to more than is paid into the pool, they will be "discounted on some agreed system," Mr. Masterman says. This sounds bad for chemists, but we must not forget the outstanding fact, that their representatives have secured official approval of a fee for work done, and are now arranging for a fair profit upon each ingredient which is prescribed. These are sound business propositions. Condemnation is as untimely as commendation is at present: inadequacy or adequacy of the fees and prices is essential to fair judgment. Since the trade agreed to a definite policy at the request of the Pharmaceutical Society, by appointing their own representatives to negotiate for them on the vital principles, a little more patience is necessary until the representatives have finished their work. Then there will be ample opportunity for commendation or condemnation. Meanwhile, "Keep cool," says Mr. Bremridge.

## Carbolic Disinfectants.

WHEN, after what the late Mr. Martindale expressively termed the "dilatoriness of the Privy Council," that body agreed in June 1900 to the oft-repeated recommendation of the Pharmaceutical Council to schedule carbolic acid, their lordships of the former Council dictated a reservation to exclude from the schedule—

"Any preparation of the acid prepared for use as sheep-wash, or for any other purposes in connection with agriculture or horticulture, and contained in a closed vessel distinctly labelled with the word 'Poisonous,' the name and address of the seller, and a notice of the agricultural or horticultural purpose for which the preparation has been prepared."

Such was the reservation as originally worded, and the resolution of the Pharmaceutical Society accordingly declared that "liquid preparations of carbolic acid and its homologues containing more than 3 per cent. of these substances" should be scheduled under the Pharmacy Act, 1868, the Privy Council agreeing on July 26, 1900. By the Order in Council of October 11, 1912, similar liquid preparations containing not more than 3 per cent. of phenols (for whatever purpose required, but disinfection being the main purpose) are brought within the purview of Section 5 of the Poisons and Pharmacy Act, 1908. The wording of the order refers in different terms to the toxic substance or substances, for whereas in the 1900 order "carbolic acid and its homologues" was the expression used, in the latest order the expression is "phenols." The

question has arisen whether the so-called "phenoloids," which constitute the active principles of many disinfectants, are covered by the new term. We understand that the term "phenols" is used as a synonym of "carbolic acid and its homologues," for in the wider chemical sense the phenols include substances in which a phenolic hydroxyl group—i.e., an hydroxyl radicle—is attached to a benzene ring. This covers the so-called "phenoloids" or cresylic acids, just as "homologues" in the earlier order does. It is true that there is some difference of opinion among chemists in regard to the identity of "phenoloids" with phenols, and if there is the slightest danger of chemists proving that "phenoloids" are not phenols, a new Order in Council should be passed embodying the word "phenoloids" as well as "phenols." In the meantime manufacturers of disinfectants from coal-tar oils and coke-oven oils would be safe in regarding all preparations of these as being "Poisonous" up to 3 per cent. of phenols or its homologues, and thereafter "Poison" in accordance with the Poisons Schedule. It is also important to observe that the addition of these weaker solutions to substances of Section 5 of the 1908 Act will bring them within the regulations passed on March 22, 1911, requiring the additional words "Not to be taken" to be put on the bottle, and in retailing them they must not be delivered or sent out except in bottles or other containers distinguishable by touch from ordinary bottles or containers. It is to be hoped that when the time arrives that the Whitehall lion lies down with the Bloomsbury lamb, some effort will be made towards carbolic consistency. Now we have several distinct groups of carbolic preparations, viz.:

- (1) Carbolic acid itself, a Part 2 poison.
- (2) Liquid preparations containing more than 3 per cent., Part 2 poisons, except
- (3) The same preparations used in agriculture and horticulture which are "Poisonous."
- (4) Liquid preparations containing not more than 3 per cent. are "Poisonous," but it has been suggested that
- (5) They may not be if not sold as carbolic, carbolic acid, carbolic substitutes, or carbolic disinfectant.
- (6) Solid preparations containing more than 3 per cent. of carbolic acid may or may not be scheduled poisons, while
- (7) Solid preparations containing not more than 3 per cent. are neither "Poison" nor "Poisonous."

Besides, there is the above difference of expression to be reconciled. Surely five minutes' quiet talk between Bloomsbury and Whitehall would put things straight?

## SCIENTIFIC PROGRESS.

Temperatures under this heading are on the Centigrade scale

**Nataloin.**—Léger ("Comptes Rendus," 155-172) has re-examined the aloin of Natal aloes, in which he found, in 1899, two aloins—nataloin,  $C_{22}H_{32}O_{10}$ , and homonataloin,  $C_{22}H_{32}O_{10}$ . In 1901 Kleveners stated that he could not find homonataloin present, so Léger has re-examined this variety of aloes, and now again finds both bodies present, and to be glucosides of *d*-arabinose.

**Otto of Rose.**—Messrs. Schimmel & Co. state in their October report that on account of the scarcity of otto of rose, adulterators are again hard at work. Several samples lately sent for sale were objected to on account of adulteration. Some showed, besides abnormally high refractive index, an overplus of geraniol, indicating the presence of palmarosa oil or allied bodies. Others had a high optical rotation, which suggested addition of gurjun balsam, and many contained alcohol.

**Apiol.**—In continuation of the note regarding the adulteration of apiol (*C. & D.*, September 7, index folio 402), Lutz and Oudin, the investigators whose work was published in the "Annales des Falsifications," refer to apiols made from other parts of parsley than the seeds. They arrive at a practical conclusion that, where possible, green apiols should be rejected in preference to yellow apiols prepared

by saponification or apiolines decolourised by animal charcoal. The authors also reply to a paper by Chevalier before the Société de Thérapeutique, and state that Chevalier's low figures for apiol are due to admixture of parsley oil, which again is an adulteration of apiol that should be guarded against.

## PRESCRIPTION PROBLEM.

THE prescription-reading problem which was given in the *C. & D.*, September 28, index folio 519, has evoked an excellent response, and proves that the popularity of these competitions is in no way diminished. The following is the correct transcription of the exercise, and the one followed in checking the hundreds of postcards received:

Acid Carbolici gr x  
Ext. Ergotæ Fluid 3j  
Pulv Amyli 3j  
Zinci oxidi 3ss  
Ung Galeni 3j  
ft ung

Sig. as directed.

To anyone who gives but a cursory glance at the prescription it is obvious that the last ingredient is one for which more than one reading is possible. This, in fact, formed a sharp line of demarcation, those cards which interpreted the item as ung. gallæ being out of the running. Another group gave more or less fantastic spellings to the word "Galen," whereas on close examination it will be seen that the confusion arose through the prescriber correcting his mistaken spelling. Occasionally were to be found interpretations wider of the mark—e.g., ung. sabinæ, muc. acaciæ, liq. galena, inf. sennæ, ung. galbani, and liq. calcis. A good number of competitors sent in "all but" correct solutions, the faults, slight in themselves, having to be taken into account in checking the large number of cards received. Four competitors sent in solutions correct in every detail, two being *hors de combat*. The following, therefore, receive the prizes—copies of "The Art of Dispensing" (the difficulty of the competition meriting this award):

Mr. E. M. Bowen, Highgate Branch, Birmingham General Dispensary, Moseley Road, Birmingham.

Mr. J. Graham, c/o Messrs. Shuker & Stephens, Ltd., Plympton, Devon.

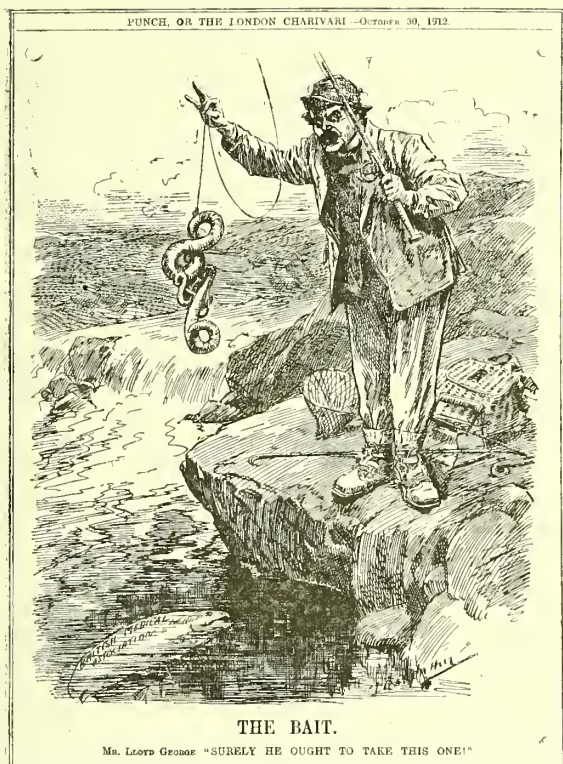
The following is the prescription forming the subject of the next competition. We shall be glad to receive postcards before November 9. The prizes will be awarded at the discretion of the Editor, and in case of close competition, time of posting will be taken into account.

*701 Schleicher  
Zingiber 3ii  
Ol. Rosmarini 3ss  
Eucalypt. Mx.  
Ol. Sassafras 3ii  
Si. Compresse*

MR. J. E. HOUSEMAN, managing director of Bewell's Cash Chemists, 19 and 21 Pitfield Street, London, N., is a candidate for election on November 1 as a member of the local Borough Council. His election-bill, printed on gilded paper and entitled "A Golden Opportunity," has on the back an advertisement of Bewell's "Buck Up" tonic.



## National Health Insurance.



We reproduce the above cartoon by special permission of the proprietors of *Punch*. Verses entitled "The Working Middle-class," by Mr. Owen Seaman, accompany the cartoon, and we quote two of the verses:

"Is eight-and-sixpence (net)," he cries,  
 "Too large and round a yearly lump  
 To pay the leech whose art defies  
 The pip, the measles, and the mump;  
 Who wrestles with bacillus-broods  
 Through summers parched and blight of chill Yules"  
 (The eight-and-six, of course, includes  
 Two bob, we'll say, for pilules).

Such was his gracious tone, 'and yet  
 It must have cost his heart a pang  
 To bid the expense be blowed, and let  
 A further two-and-six go bang!  
 Would he have named a sum so tall  
 Had not his spies, concealed in ditches,  
 Reported on the wherewithal  
 Lurking in landlords' breeches?

### DISPENSING CHARGES.

We have received the following report from the offices of the Commissioners in London:

"The Pharmaceutical Standing Committee on Insurance were received to-day by the Insurance Commissioners at Buckingham Gate. The question of whether the remuneration of pharmacists under the Act should be calculated by reference to a tariff was discussed, and a model tariff, which had been prepared by the committee, was submitted to the Commissioners. It was agreed that the Commissioners could not approve any tariff in such manner as to make its adoption binding on Insurance Committees generally. But the Commissioners were willing to accept the principle of remuneration by reference to a tariff, and to accept a model tariff (if any such tariff could be agreed) as being of such a nature that if submitted by any Insurance Committee as part of their arrangements under Section 16 of the Act the Commissioners would be prepared to approve it. The Commissioners further accepted the principle that there should be, in the case of preparations dispensed, a separate charge for each item of the prescription, for the

container (if supplied at the cost of the Medical Benefit Fund), and for the work of dispensing. The Committee appointed Messrs. P. F. Rowsell, J. P. Gilmour, D. Arnott, E. S. Waring, and W. J. V. Woolcock as a sub-committee to discuss and arrange the details with the Commissioners."

Section 16 has to do with Sanatorium Benefit, not with Medical Benefit, which is Section 15. We understand that the latter and not Section 16 is meant. Mr. Woolcock is "W. J. U.," not "V."

We calculate that at least fifty columns of the *C. & D.* could be filled with Press-cuttings in regard to this subject. The opinions and statements are of the most extraordinary character, and the cleverness of the newspapers is shown chiefly in the headings to the articles. For example:

Drugs and dog-carts.	Chemists fear bankruptcy.
Fees of pharmacists.	Chemists perturbed.
From 5s. to 5l. per pound.	Chemists think another huge grant necessary.

The chemists' alarm is indicated by numerous newspapers, but on sifting the lot we find that it emanates from Liverpool (as to which see English News), most of the papers quoting statements put in the mouth of Councillor Herman, who was not present at the meetings, says Mr. Moreton Parry in a letter to the "Liverpool Post." The following are the chief utterances in the columns of matter:

"Keep a cool head, there is no need for any anxiety at present."—*Richard Bremridge.*

"The *per capita* arrangement does not apply to us."—*W. S. Glyn-Jones, M.P.*

"I do not think we can entertain Mr. Lloyd George's proposal for one moment unless there is to be a tariff of charges, and we are paid for our services in addition."—*J. C. Kidd* (described as "President of the Manchester Branch of the Pharmaceutical Society").

### THE CHANCELLOR'S STATEMENT.

After Sir Clifford Allbutt had spoken at the meeting of the Advisory Committee on October 23, the following members spoke on the Chancellor of the Exchequer's statement:

Mr. Appleton (representative of the General Federation of Trade Unions) regretted that the proposal for a National Medical Service had been thrown over, and took it for granted that the doctors would see that the drug-bill did not exceed 1s. 6d.

Mr. Warren (Vice-President, National Conference of Friendly Societies) said his group were not in agreement with Mr. Appleton's view as to a National Medical Service. If the doctors remained obdurate the friendly societies would throw themselves wholeheartedly into finding a way out of the difficulty.

Mr. Thompson (Industrial Insurance Companies, Collecting Friendly Societies, and Prudential Assurance Company) remarked that all that they were anxious for was that the doctors should come in with the real desire to give the best possible service under the Act, and he felt sure that they would come in.

Mr. Woolcock said: There are one or two things that I want to say, speaking on behalf of my colleagues who represent those interested in drugs. The statement made to-day, of course, interests us almost as much as, if not more than, my friends on my immediate left. We have in the course of our business to supply a commodity which we in the first place have to pay for, and which then has to be supplied at some small profit afterwards. The position, of course, between ourselves (the chemists) and the doctors is, therefore, as far as that goes, not quite on all-fours because of the initial outlay. With regard to the figures that you have quoted, we notice that there is a provision for an extra 6d. to cover the drug-bill, and that that extra 6d. is to cover the drug-bill supposing the doctor finds, in giving adequate remedies, that he has to give something which is rather in excess of what has normally been supposed, and which, therefore, cannot be covered by the 1s. 6d. It has always seemed to us that the 1s. 6d. would be possibly inadequate. It would certainly be inadequate if there were any idea of what I may call frivolous prescribing, which you, Sir, have referred to, using another word; but with the material interest and material inducement now in front of the doctors and ourselves, controlled by their watchfulness, as you put it, there is a possibility that the sum provided will cover an adequate and sufficient supply of drugs and medicines. But it can only be done with those particular safeguards; in our opinion it cannot be done if there is to be frivolous prescribing; it cannot be done if a more expensive preparation is ordered where an equally useful preparation from a



therapeutic point of view should be given to the patient. Granted those safeguards, and granted the certain provision that there is 2s. if necessary, but that there is the 1s. 6d. in any case, I think it is possible that, with a working together of the doctors and the chemists and our friends on the other side of the room as well (because we need the co-operation of the whole lot), and, in addition to that, with the provision of some sum to form a central fund to cover such emergencies as an epidemic of influenza and so forth—I think under those conditions we may possibly be able to get through.

Mr. Ben Turner (General Union of Weavers and Textile Workers) regretted abandonment of a State Medical Service and that an income limit had not been abandoned altogether.

Mr. D. W. Evans (King Edward VII. Welsh Memorial Association) hoped that the Chancellor would not pledge himself to deducting 6d. from 1s. 3d. Sanatorium Benefit; and Mr. Blundell (Small Friendly Societies) supported him. After Mr. Sexton (Dock Labourers) had spoken, Dr. Norman Walker said, *inter alia*: "I should like to say a word about working cordially with the chemists. I think, if the chemists are properly represented by the gentlemen who are here to-day, there will not be very much difficulty over our work. None of us are anxious to over-drug patients. The conditions in the city from which I come—Edinburgh—were described by the President of the Pharmaceutical Conference recently as ideal, and I do not see why those conditions should not continue. It is quite natural and right that we should have a little check upon each other, and I hope it will be done in a good spirit, and that it will be quite satisfactory."

Sir William Plender, Miss Bondfield, Mr. Grove, and Mr. Hutchinson also spoke. Mr. Hobson (Sheffield Cutlery Manufacturers) strongly supported the doctors, and advocated better representation for them on the committees. Sir Matthew Wallace, Mr. Duncan, and Miss Walker having spoken, the Chancellor replied, remarking, in the course of his speech, "I was very delighted to hear what fell from the chemists, that in their judgment, given good feeling and co-operation, the amount set aside for them was adequate."

#### MEETING IN EDINBURGH.

Mr. Archibald Currie, Ph.C., presided at a meeting of about 130 chemists, representing Edinburgh, Leith, Musselburgh, Eskbank, Gorebridge, Lasswade, Bonnyrigg, Blackhall, Broxburn, South Queensferry, Bathgate, Bo'ness, Burntisland, Kirkcaldy, Dunfermline, Cowdenbeath, Juniper Green, North Berwick, Dunbar, Melrose, East Linton, Galashiels, Tranent, and Lerwick, which was held at 36 York Place, Edinburgh, on Wednesday afternoon, October 23, to consider the situation in regard to Pharmacy service. Mr. David Gilmour (Dunfermline) spoke on the necessity for united action, and a full statement of the work done by the Pharmaceutical Standing Committee (Scotland) was given by Mr. Rutherford Hill, who answered questions. A discussion followed, in the course of which Messrs. William Lyon and W. G. McNab spoke, some difference of opinion being expressed as to whether the meeting should decide on the facts submitted or postpone decision. By a large majority, the policy of the Joint Pharmaceutical Standing Committee was supported, and on behalf of the minority it was stated that in the event of the opinion of the meeting being approved by the Pharmaceutical Standing Committee (Scotland), the minority would acquiesce in the finding of the meeting.

#### DERBYSHIRE INSURANCE COMMITTEE.

At a meeting of the Medical Benefit Sub-Committee of the Derbyshire Insurance Committee last week, letters were read from the Chesterfield and Ilkeston Pharmacists' Associations asking for an opportunity of discussing with the sub-committee the terms upon which members of the two Associations would be prepared to undertake the supply of drugs, medicines, and appliances. The Secretary pointed out that since a member of that committee had been appointed by the Insurance Commissioners to represent the whole of the chemists in the county (which included the Associations concerned) on the committee, they would, he thought, be well advised in asking the chemists' representative to undertake that a local Pharmaceutical Committee, acting for the whole county, meet them in conference, as they (the Insurance Committee) were not prepared to negotiate with individuals or bodies of individuals other than a central authority. The Secretary further said that it is made perfectly clear in the Act that pharmacists are to supply the drugs, medicines, and appliances required under the Act.

## WESTMINSTER WISDOM.

The Week in Parliament.

### "OUT OF WORK."

Replying to Mr. Flavin on Wednesday, the Home Secretary said he was aware that Mr. Stanhope Bedding, the chemist's assistant who had assisted in the arrest of Titus, the man who shot a barmaid and others at the Horseshoe Hotel, is out of work owing to injuries then received. A report from the Commissioner of Police in regard to the circumstances had been submitted to him, and he would inform the hon. member as soon as a decision was arrived at as to proposed compensation.

### THE CELLULOID COMMITTEE.

An addition has been made to the Departmental Committee which has been appointed by the Home Secretary to inquire and report as to precautions necessary in the use, handling, and storage of celluloid articles, in the person of Mr. J. Ollis, Chief Officer of the Public Control Department of the London County Council. The Committee now consists of the Earl of Plymouth (Chairman), Professor J. J. Dobbie, F.R.S., Captain M. B. Lloyd, Mr. H. M. Robinson (Deputy Chief Inspector of Factories), Mr. E. O. Sachs (Chairman of the Executive of the British Fire Prevention Committee), with Mr. C. G. Markbreiter, of the Home Office, as Secretary.

### "INFALLIBLE" FOOT-AND-MOUTH DISEASE REMEDY.

Replying to Mr. Lardner on October 29, the President of the Board of Agriculture said it is true that a firm have notified his department that they had in their hands an infallible remedy for foot-and-mouth disease guaranteed to cure in twenty-four hours the most hopeless case at a cost of under 1*l.*, and offering to furnish the Board with tests; and that the Board of Agriculture had intimated that it does not desire to find a remedy to stamp out the disease, but prefers to have the animals slaughtered and compensation for them paid out of public funds. Any arrangement, said Mr. Runciman, for enabling animals affected with foot-and-mouth disease to be immediately treated would be attended with considerable danger of the spread of infection, and he is confident that a more drastic policy is desirable in the interests of all concerned.

Mr. Lardner informed our Parliamentary representative that he had no knowledge of the nature of the "cure" referred to, and stated that the firm is one of general merchants in the City of London.

### NATIONAL HEALTH INSURANCE.

CONTRIBUTION CARDS.—Mr. Samuel Roberts, M.P., having suggested that the Insurance contribution cards should be antiseptically treated, Mr. Masterman replied that the risk of infection is so small as to be negligible, and no such precaution is required, even if it were practicable.

BROMPTON HOSPITAL.—The Chancellor of the Exchequer stated on Monday, October 28, that it is not the intention of the Insurance Commissioners to take over the Brompton Hospital for Consumption for the purposes of the Act. Mr. Fell had suggested that this was part of a scheme to take over all the hospitals in the country.

STAMPS.—It is officially stated that during the first quarter 152,269,670 Health Insurance stamps were sold, valued at 4,128,860*l.* In addition arrangements had been made by quarterly payments and through the Labour Exchanges representing another 16,844,382 weekly payments, making a total of 169,114,052, or a weekly average of 13,008,773.

HIGHLANDS AND ISLANDS.—The Chancellor of the Exchequer informed the Marquess of Tullibardine on October 28 that before finally settling the conditions with the doctors in the Highlands of Scotland under which they will work the Insurance Act, he will consider the advisability of first awaiting the report of the Commission on Medical Services in the Highlands and Islands, which is now sitting.

DISPENSING CHARGES.—Mr. Worthington Evans, in the House of Commons on October 28, asked a question about



the charges for drugs, pointing out the average cost in Germany is 3s. Mr. Masterman replied as follows :

The conditions attaching to the sale of drugs, the articles required to be supplied, the persons able to claim them as part of benefit in Germany differ so widely from the conditions in this country that it is impossible to institute any useful comparison between the two. If the total cost of drugs in any district exceeded the total money available during the period of the contract with the Insurance Committee (including the sum provided by the 6d. for each insured person which is divisible between the doctors and chemists if the total cost is between 1s. 6d. and 2s.) the bills would be discounted on some agreed system; but all evidence in this country shows that except in cases of abnormal sickness (which are to be met by a special fund) the cost is far below the sum available.

Sir H. Craik : Will the remuneration be dependent upon the chance increase in the cost of drugs?

Mr. Masterman : No. As was explained by my right hon. friend the other day, the doctors will receive a fixed amount, and beyond that there is a sum of 6d., which is variable between the doctors and the chemists in accordance with the amount of drugs prescribed.

## TRADE NOTES.

"SCOUTS OF THE AIR" is the title of a pamphlet which Messrs. Burroughs Wellcome & Co. have just published. It gives points and pictures about flight, with some notes on first-aid in emergencies, and is more concise than one we recently referred to.

THE CHAMELEON OIL CO., LTD., 45 Eden Grove, London, W., will supply retailers on application with tastefully produced athletic cards, which they find are of the greatest service to retailers for encouraging sales. Their Chameleon oil is a popular favourite, especially in the household and in field sports, where an active lubricant and muscular stimulant is required.

MESSRS. GEORGE KING & Co., 1 and 2 Sycamore Street, London, E.C., manufacturers of King's Food and Oatmeal, intimate in an advertisement in this issue that on and after Monday, November 11, they will enforce the minimum retail selling prices for these products, as specified in the announcement, where also it will be observed that seventeen firms and companies, with many branches in London and the provinces, have agreed to the minimum rates.

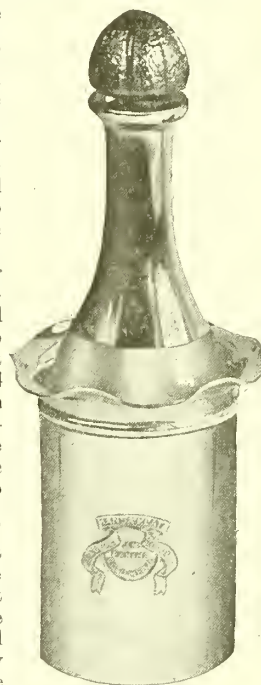
MESSRS. GOODALL, BACKHOUSE & Co., Leeds, include in their October price-list special lists of Christmas goods, such as cosaques, jelly squares, and custard-powder, which many chemists handle with profit. The firm intimate that they pay carriage on parcels of patent medicines and packed goods if ordered with a carriage-paid quantity of Yorkshire relish or Goodall's household specialities. The "Patent Medicine" section of the list has been revised, the alterations in the prices of many important lines being greatly in buyers' favour.

ECSOLENT COMPOUND.—This preparation, made by the Ecsolent Compounds, Ltd., Elthorne Road, London, N., has lately been prominently before the public on account of the exceptional testimonials which it has received, especially from quarters which are supposed to regard proprietary articles with suspicion. The Ecsolent compound is an emollient dressing for use in all skin affections, and the medicinal properties are also combined in the form of a powder and soap. "There must be something in it," is the expression which one uses after reading the testimonials from leaders of the medical profession, the officials of the British Medical Association, and others who wrote after trying the Ecsolent preparations. The pamphlet which the company send out for distribution sets forth these opinions and neatly focusses the medical attitude towards these products. Chemists can get it on application. The company's method of publicity is shown in the advertisement section of this issue.

CANINE DISTEMPER VACCINE.—It has been definitely ascertained that canine distemper is caused by a specific micro-organism—*Bacillus bronchicanis*—and it has been proved that the administration of a vaccine prepared from various strains of that bacillus is of great value in con-

ferring immunity from the disease. The subject has been worked out by Messrs. Parke, Davis & Co., manufacturing chemists, Beak Street, Regent Street, London, W., who have now placed on the market two preparations for use as a prophylactic and as a treatment for distemper in dogs. The canine distemper vaccine prophylactic is a polyvalent vaccine prepared from cultures of several strains of *B. bronchicanis*, and is supplied as an immunising agent in a set of three bulbs for first, second, and third doses. The combined canine distemper vaccine, on the other hand, is prepared from cultures of several strains of *B. bronchicanis* and of *Staphylococcus pyogenes* of canine origin, and is for treating the disease. This vaccine is supplied in sets of six numbered bulbs, which are administered in order. The vaccines are administered subcutaneously with the usual precautions. We have received reprints of reports of the researches of Dr. N. S. Ferry, who worked out the subject, copies of which would be sent by Messrs. Parke, Davis & Co. to any of our readers who are interested. The use of distemper vaccines is likely to become a feature in canine veterinary practices, and it is advisable that chemists should be acquainted with these products and ready to meet the demand which will arise.

CHRISTMAS GOODS.—MESSRS. F. Schutze & Co., Ltd., Black Bull Works, Caledonian Market, London, N., have some special lines in perfumes for Christmas trade which we have inspected this week. There is a great variety of perfumes in fancy boxes and caskets, which range in price from 4s. 3d. to 69s. a dozen. A series which is very popular consists of imitation satin-wood cases, with hand-painted flowers, there being one or two bottles of perfume in each, the prices here ranging from 12s. to 57s. 6d. a dozen. Other caskets have as the *motif* handsome embossed designs, and all the varieties appear to us to offer very good value. Most of these are shown in the No. 4 list, for which application should be made. In the showroom is a special display of the "Hansa Platz" Eau de Cologne, which continues to grow in popularity. What is called the "gold neck" pattern is in great demand just now; it is like a miniature (10 oz.) champagne bottle, but the gold neck is fired in the glass and the cork is reproduced as a glass stopper. The dignity of a bottle of eau de Cologne on the dressing-table is much enhanced by the use of one of the electro-plated cases, which are obtainable. One of these containing a bottle of gold neck Cologne is shown in the illustration. Tantalus perfume-stands for two and three bottles of perfume, costing 9s. and 18s. 6d., may also be noted as high-class lines; and popular presents are the manicure-sets selling at from 1s. to 5s. Pot-pourri in parchment bags (selling at 1s.) and a large variety of odorators are again suitable for display at this time of the year. As we passed out we saw stacks of cases of Schutze goods packed for despatch to various parts of the world, South African and Australasian addresses predominating, the reason being that the goods must go at once if they are to be available for Christmas and New Year trade.



CAUSTIC SODA IN ITALY.—Foreign competition in this article in the Bari district has been entirely eradicated, says the British Consul. The material is now nearly all obtained from Rome, where a new factory was established in 1910. Caustic soda is used on a large scale by soap-makers, and the local requirements are about 1,500 tons per annum.



## Select Committee on Patent Medicines.

**Appointed by the House of Commons to inquire into the sale of patent and proprietary medicines and medical preparations and appliances, and advertisements relating thereto.**

### Record of Evidence given on October 30.

THE Committee met again at the House of Commons on October 30. Sir Henry Norman presided, and other members of the Committee present were: Mr. Cawley, Dr. Chapple, Mr. Glyn-Jones, Mr. Haydn Jones, Mr. Lawson, Mr. Lynch, Sir P. Magnus, Mr. Newton, and Mr. O'Grady.

#### A PHARMACOLOGIST'S VIEWS.

The only witness was Professor W. E. Dixon, Professor of Materia Medica at King's College, and Lecturer on Pharmacology, Cambridge. He said he wished to speak about the composition and effects of some of the advertised secret remedies. Most of the evidence which he had intended to give to the Committee had already been given by other witnesses, and he could only add details. He wished to point out in the first place that harm might arise to national health through the administration of proprietary remedies. There are two or three common symptoms for which proprietary medicines are most frequently taken. Cough is, perhaps, the most common, and to show the difficulty of devising one remedy for cough he said there are two kinds of coughs—the cough which should be treated by increasing the cough, such as that of an old man with his chest full of fluid, and the useless kind of cough, such as that of a man with a varicose vein on his uvula, which ought to be stopped. Proprietary remedies make no attempt to distinguish between those two common types. Owbridge's Lung Tonic—a ridiculous name, he said, as there are no muscles in the lungs—is a mixture to facilitate a cough, its chief constituent being ipecacuanha. Keating's lozenges, or Beecham's cough pills, on the other hand, contain morphine, and have the opposite effect. Then with regard to headaches, many headache-powders contain acetanilide, which is a dangerous drug which ought never to be given in any circumstances; phenacetin should replace it. Headaches might be a simple headache which is generally the result of some simple reflex, some trouble about the teeth or caused by strong light in the eyes. Trivial things might cause headache, and in such cases the headache could be readily treated by phenacetin. On the other hand there is the chronic headache due to kidney disease or typhoid fever, or to brain trouble, and there phenacetin or acetanilide would be quite useless, and would simply be occupying time when other remedies ought to be used. Then there is dyspepsia, which is often caused by brain trouble, and there are the same symptoms from simple dyspepsia as from gastric ulcer. His second point was that claims which are obviously fraudulent are made regarding some proprietary medicines. He held that if a claim were made it ought to be substantiated; he did not say absolutely, but to prove that there is a probability that it would do what is claimed for it. As an example he would mention what he called the absurd claims made for Phosferine. One would imagine from the name that Phosferine contained phosphorus and iron, but it contains neither. It is simply a phosphoric acid solution of quinine.

The Chairman: But is there no phosphorus in phosphoric acid?—It does not exist as phosphorus any more than sulphuric acid is oxygen.

Why do they put in phosphoric acid? Is it in order to give some claim to the use of the word "Phosferine"?—I should think so, any other acid would do just as well.

Witness, continuing, referred to Guy's Tonic, which he said is simply a bitter with acid in it. It is a very good thing in its way, but he regarded it as fraudulent to try to make people believe what the advertisements claim for it. Another point which is a very difficult one is with regard to registered names. At the present time the medical profession and retail chemists are in many cases greatly fogged by the large number of proprietary names for one and the same substance. There are certain firms

who have succeeded in making good preparations, and he thought they ought to receive the credit for what they have been able to obtain through their process. As an example a firm prepare the active principle of ergot and obtain protection for the process and the name. Suppose, then, someone else makes the same substance by another process, another name is given to it. Acetyl salicylic acid is another instance. It was discovered many years ago, but when its medicinal properties were investigated the name aspirin was given to it. Other makers call the same substance salacetin, saletin, xaxa, etc. One firm actually sells it as xaxa and acetyl salicylic acid although they are the same. The aryl arsonates have several names, such as atoxyl and soamin. He had not a word to say against these things, for he regarded them as excellent, but he felt that other people selling them under fancy names ought not to have proprietary rights. One name only should be allowed for each substance. These drugs might be prescribed under various names, and it is necessary for retail chemists to stock them all, as he must use the particular one ordered in a prescription.

The Chairman asked whether, if some firm, through its researches, hit upon a very much cheaper method of making a preparation which is already upon the market, it should not be allowed to do so?

The witness replied that the subject is full of difficulty. He thought it is only right that the people who discovered the drug, or the physiological action of the drug, should receive a reward for their trouble.

In reply to the Chairman, he said that the existing law with regard to the sale of proprietary medicines should be amended in the public interest. He believed there is a grave existing evil, but he also felt that if the law as it existed were put into action the evil would be very considerably mitigated. The Merchandise Marks Act gives power to public authorities to prosecute in cases in which the representations are made about a substance, and the Liverpool Corporation have actually taken action, with the result that he believed certain people were heavily fined. None of the other authorities, however, seems to have taken the trouble to put the law in motion. He thought there would be some advantage in placing the formula on the label, but the more objectionable people would at once get out of that by saying that their preparation contained some root which nobody had ever heard of, and which they would say was shipped to them only. It might be an advantage to doctors if a patient coming to the hospital were to tell them that he had been taking certain medicines, for the doctor would then know what the medicines contained. But he did not advocate placing the formula on the label for the instruction of medical men. With regard to the general public, it would obviously prevent fraud. He did not wish to appear to be opposed to proprietary medicines. There are medicines which are good, but there are others which are bad, and he wished to prevent the public from being swindled. It is the secrecy about patent medicines which attracts people. As soon as a man knows what is in a preparation he no longer wants it.

#### VARIOUS QUESTIONS

were then put to the witness by Sir Philip Magnus on points that the witness had already dealt with; Mr. Lynch followed, and Dr. Chapple's turn brought out the following:

Dr. Chapple: Do you draw a distinction between the skill of pharmacists in compounding medicines and the skill of a doctor in treating disease? I understand you to say that anyone who invents a method by which certain drugs can be made up as a proprietary medicine should receive protection. Would you differentiate between the skill displayed by a chemist who did that and the skill required



from a doctor to diagnose and treat disease?—I do not think I would.

No English medical man has a vested interest in any drug, nor would he (witness) allow any man the exclusive right to use a certain cure for a particular disease.

In reply to further questions, witness said that he had not come into contact with many cases in which suffering and loss had resulted from the use of patent medicines. His experience had generally been negative, and had been with regard to people who were obviously suffering from serious diseases, and had been taking patent medicines for months, instead of receiving proper treatment, and in that time the disease had progressed. He mentioned that he was once consulted by a West of England proprietor of a headache-powder. Three people had died in one village after, although not perhaps because of, taking these headache-powders, and the man told him that this would ruin his business if it went on.

Dr. Chapple's questions brought the subject of counter-prescribing before the Committee. The witness said that there are cases in which harm has been done. The questions and answers were on conventional lines, such as:

Don't you think that the prevalence of dispensing by doctors tends to make chemists take on more responsibility in the direction of prescribing than they should do?—I do not think so.

But if a man goes to a chemist with a cough, does not the chemist know that if he sends that man to a doctor who dispenses for himself he will lose a perfectly legitimate fee for dispensing a bottle of medicine?—That is so. None of my students are taught to dispense. I think they should not do so.

If doctors did not dispense, do you think that counter-prescribing by chemists would be more likely to be kept within legitimate bounds?—I think so.

Dr. Chapple also put to Professor Dixon his now familiar question in regard to the discovery of cures, and finished up with a few queries about the advertising of cures and people getting damages from the advertisers. Mr. Cawley next had an innings. His questions began with

#### ACETANILIDE-POISONING.

Mr. Cawley: As regards the harm done by patent medicines, what is the bad effect produced by acetanilide?—The story we generally hear is something like this: A woman has headaches, and she takes powders. She gets one very bad headache, and she finds that a single dose does her no good. She takes one, two, or even three powders. Later she is found on the bed in a cold, clammy sweat, with a bluish colour of countenance, and she may die a few hours later. There have been several cases of that kind.

Have you personally seen cases in which the patient has died from acetanilide-poisoning?—I have seen them nearly die.

Would you say that some of the doses contained in these medicines are dangerous?—I have given you an example of how people multiply them. One dose does not cure, and so they take a second or third.

Mr. Cawley referred to a case in the previous day's paper in which Nicholls' Pain Cream was concerned, and then asked if the dose of Kaputin (acetanilide 6.3 grains) could be doubled without danger?—No.

Does no doctor prescribe acetanilide?—I hope there is none, for it is a thoroughly bad thing to prescribe.

After referring to evasion which might take place if manufacturers were required to place the names of the ingredients on the label, witness said the whole point in proprietary medicines is that they are secret, and there is no limit to the credulity of the British public. The moment the secrecy disappears the demand weakens.

#### GOOD AND BAD PROPRIETARIES.

Mr. Harry Lawson began by eliciting from the witness his views about good and bad proprietaries. He said Scott's Emulsion is excellent and ordinary doctors use it. Then Mr. Lawson asked:

If the formula were expressed on the label in medical terms, would it be of any use to the man in the street?—He would not understand it, certainly.

Then it is for the benefit of the medical profession?—Not at all; for the benefit of the public. The public is an inquiring public, and the public always learns. You never see a man go into a chemist's shop but what he wants to know all about all that he is buying. If he has a prescription from a doctor he reads it through half-a-dozen times before he takes it to a chemist.

Does that not rather discredit what you said just now about the invincible credulity of the public?—That is as regards secret remedies.

Why should it only apply to secret remedies?—They cannot find them out; they buy them on trust.

#### FANCY NAMES

came in for more questioning after Mr. Haydn Jones had put a question about the examination of medicines. Mr. O'Grady started the ball by recurring to the witness's remarks about acetyl salicylic acid and the like: "drugs are always cheaper under their proper names" was his dictum. Thereupon we had the following:

The Chairman: Why does not the doctor give the actual scientific name of the drug?—He ought to do. The younger doctors do. These things have been introduced in comparatively recent years, many of them since the older doctors left the medical school, and their knowledge of chemistry is not up to date in that respect.

The Chairman: That is to say, the drugs are known to the older doctor under the fancy name and to the more modern doctor under the scientific name.

Mr. O'Grady: Why cannot a chemist substitute aspirin for xaxa?—Entirely on account of the proprietary name.

Although the drug is absolutely identical?—Yes.

Mr. Glyn-Jones: What you mean is that the owner of aspirin would be able to bring an action against the chemist who supplied xaxa when aspirin was ordered?—Yes.

In further reply to Mr. O'Grady witness said he agreed that the working classes would get simple remedies much cheaper and purer if something were done in the way of popularising the simple remedies in the B.P.

What is your opinion about the effect of the Insurance Act? There are something like 14,000,000 people insured under the Act. Those are the people who usually buy secret remedies?—I do not agree with that. The clergy are as bad as anybody. (Laughter.) Witness added that he thought in future the great bulk of insured people who now bought patent medicines would prefer to go to a doctor and get a prescription.

An amusing passage followed, in which Mr. Glyn-Jones and the Chairman tried to get the witness to admit that Latin prescriptions are a survival of the secrecy with which doctors veiled their remedies. Professor Dixon hedged.

#### ARE DRUGS OF ANY USE?

Mr. Glyn-Jones then put to witness a question regarding Phosferine, the composition of which, he pointed out, was given in "Secret Remedies" as "quinine, dilute sulphuric acid, phosphoric acid, alcohol, and water."

Witness said he would not object to an article composed in that way being advertised as a general tonic.

Mr. Glyn-Jones: Would you say that the presence of dilute phosphoric acid had any value whatever?—None whatever.

Is that view accepted generally by the profession?—I should think it has been in the last five years.

As a matter of fact there is a good deal of change coming over the medical profession in their attitude with regard to common drugs?—I think there is.

If I may say so, you have been one of the leaders in the revolt?—I have done some work on pharmacology.

I see you state "quinine is in no sense a tonic," and that the local application of opium and morphine is in any form useless for relieving local pain?—It is of no value at all.

Do you think that is one of the comparatively recent opinions of the profession?—Yes.

I presume you might find very many men in the profession who would disagree with you on the point?—No one has tried to canvass the opinion that it is not a local anæsthetic, though it is used in that way, I grant you.

There are external applications of opium in the B.P., and these are used most extensively by the whole profession?—Not the whole profession.

By a very large section opium is used externally for relieving pain?—Well, it might act, of course, after it had been absorbed.

I want to know if there is any serious difference of opinion in the profession itself?—I do not really think there is any doctor who would use opium or morphine externally to relieve local pain.

In reply to further questions, witness repeated his statement that acetanilide should never be prescribed, and said it should be taken out of the B.P. and aspirin find a place there.

Mr. Glyn-Jones: Does a doctor know when a traveller calls upon him and extols the merits of xaxa that he is ordering the same stuff as aspirin?—I am not sure that xaxa is used by the profession at all; it is sold entirely to the general public. Witness here explained the action of acetyl salicylic acid and how it differs from salicylic acid, and witness again stated that the knowledge of the pharmacology



of acetyl salicylic acid had been made known to the medical profession by owners of the trade-mark "Aspirin."

Do you think it would be right to say that we are indebted for our knowledge of all these new drugs to private enterprise?—Not in the case of all of them. We have laboratories of pharmacology attached to our Universities, and they have contributed their quota. Erythrol tetranitrate was introduced from one of these laboratories.

Is the science of pharmacology and therapeutics quite an exact one? Are the medical profession able to give a scientific explanation of the action of all the drugs they use?—There are a few drugs of which you cannot give an explanation, but they are very few now. The only one I can remember is colchicum in gout.

Take a pill with colocynth, hyoscyamus, and mercury, are there not doctors who will swear by particular quantities of these drugs and tell you that they cannot get anything like the same effect if those quantities are varied?—I have never heard of doctors like that.

Do you think it would be useful for the public to know more about drugs; that there should be no secrecy?—Yes.

Witness assured the Committee that medical men do not want to act harshly, but he thought the law should be amended.

The Chairman stated that the Committee had just received from the U.S.A. a copy of the Food and Drugs Act, which, as amended, became law on August 20. He read the whole of Section 8, which included the amended sub-section to which reference was made recently in the *C. & D.*

Witness said the section seemed to him a distinct and an excellent step in advance.

When the Committee resumed after the luncheon interval they sat in private for forty minutes before the public were admitted.

#### END OF THE MEDICAL EVIDENCE.

The Chairman then announced that, with the evidence of the last witness, the medical evidence before the Committee setting forth objections to the sale and advertisement of patent and proprietary medicines as at present conducted had come for the time being to an end. In order to conclude that part of their proceedings it was necessary for him now to make a statement with regard to certain investigations and other evidence which had been taken before the Committee and which had been concluded by correspondence, to which he would refer. Some time last June he, as Chairman of the Committee, had received a letter from a gentleman, whose name the Committee had decided not to make public. The gentleman had written:

"Pardon me for taking the liberty of trespassing upon your valuable time, but having read the enclosed newspaper cutting [the cutting was a brief account of the proceedings before the Committee] and suffering from tuberculosis, I am deeply concerned, as I am taking a patent medicine from a London firm who guarantee a cure. The name of the firm is Charles H. Stevens, of Wimbledon."

The letter proceeded to ask a number of questions, and to ask for information and advice. The Committee had decided, after some correspondence, to ask the gentleman to be good enough to come before the Committee as a witness and give evidence, his name and address and occupation not to be divulged. On July 16 that evidence was given, and would appear in the proceedings under the name of "Mr. A." "Mr. A.'s" story in a very few words was that he found himself suffering from tuberculosis on the diagnosis of his medical man. In pursuance of the advice of his medical man he had passed a considerable period in a sanatorium under treatment for tuberculosis. He had profited greatly from that treatment, and in his own words "felt a new man, and gained very considerably in weight." Shortly after that he had relapsed into a nervous condition, and his health had become very unsatisfactory again. He was examined again by a medical man, who told him that he was suffering from tuberculosis. Then his attention was called by a friend to an advertisement of the cure sold by Mr. C. H. Stevens, whose address then was Bentham, 204 Worple Road, Wimbledon, S.W. Mr. A. had then placed in the hands of the Committee correspondence between himself and Mr. Stevens. At the request of the Committee an eminent specialist, Dr. Hector Mackenzie, examined Mr. A. entirely free of any professional charge, and advised the Committee with regard to Mr. A.'s state of health. Dr. Hector Mackenzie

had informed them that he thought the excavation in Mr. A.'s lung had taken place or extended since he left the sanatorium. Mr. Stevens, he said, did not examine Mr. A. but prescribed medicine which he had taken without any benefit. Dr. Mackenzie added that he had cautioned Mr. A. against taking any more advertised remedies, and had given him directions as to his mode of life, which he hoped would be useful to him. Mr. A. had forwarded samples of the medicine which he had obtained from Mr. Stevens, and these were sent to the Government Laboratory for analysis. A report had been received of the result of the analysis from Dr. J. J. Dobbie. The report of the analysis stated that:

"the samples were marked '1st bottle' and 'Last bottle.' In odour and taste they resembled light port-wine. They contained small quantities of suspended matter which proved to be groups of yeast cells such as were present in deposits from wine. An examination of the clear liquids gave the following results in the first and last bottles: proof spirit, 19.5 per cent. in both; solid matter, 2.8 per cent. and 3.4 per cent.; mineral substances, ash, 2 per cent. and 2 per cent.; glycerol, approximately 10.7 per cent. and 17.8 per cent. No alkaloids and no resins were found. The solid matter corresponded with that in ordinary wine, and the samples were essentially a mixture of wine and glycerol."

Mr. A. had subsequently forwarded to the Committee a copy of further correspondence between himself and Mr. Stevens. It would not be necessary for him at that stage to read the correspondence, but he would summarise it briefly. In reply to a letter from Mr. Stevens inquiring about his health, Mr. A. had stated that he had seen a specialist, that his chest was worse than it had been three months before, and had asked for a return of the five guineas which he had paid in accordance with Mr. Stevens' guarantee. To that Mr. Stevens had replied that he had never guaranteed a cure in three months; that Mr. A. had never taken advantage of the agreement, as he had never referred to it before; that Mr. A. had never notified him of his condition; and that Mr. A. had broken the terms of the agreement by not reporting his progress each week. He offered that if Mr. A. would come to Wimbledon he would examine him, and give him another three months' treatment, and Mr. A. should not pay him unless he was satisfied that he was on the right road to complete cure. Mr. A. renewed his demand for a return of the five guineas, and Mr. Stevens in his next letter offered to return half the fee without admitting any liability. Mr. A. again demanded the return of the full amount, and Mr. Stevens, in reply, called attention to the fact that Mr. A. had only paid for three months' treatment, and claimed four guineas for the extra two months' treatment. Mr. A. wrote back describing Mr. Stevens' letter as bounce, and said he would place the matter in other hands unless the money were repaid in full. Mr. Stevens, in reply to that, repudiated the charge of bounce, and reverted to his offer to return half the fee. Mr. A. maintained his ground, and Mr. Stevens in his final letter returned the five guineas with the words:

"Dear Sir,—I received your letter this morning, and cannot help thinking that you are a most unreasonable chap. Although I had fully made up my mind when I wrote to you on the 28th, I do not want you to think me as unreasonable as I think you; therefore, I am returning you your five guineas."

Sir Henry Norman then stated that the next witness would be Mr. John Charles Umney, who would appear as the first witness put forward by the Proprietary Articles Section of the London Chamber of Commerce. As his evidence would be rather long, they did not propose to take it until their next meeting.

The Committee adjourned until Wednesday, November 6.

**SYLVAN SURGERY.**—Six "wound-dressers" (*panscurs*) have recently been added to the staff of men employed by the City of Paris to look after the trees on the Boulevards. The tarring of roads since motor traffic came in raises dust which, if disagreeable to human lungs, is particularly fatal to trees, a new malady having developed which threatened to rob Parisian promenades of their leafiest ornaments. The *panscurs* carry a sharp scraper and a huge pot of specially prepared grease. Should any tree be found with damaged bark, it is gently scraped and covered with the grease.



## The Lord Mayor and "Bell's."

It is unusual for a Mayor to perform the ceremony of opening a new pharmacy, and it is, we believe, unique for a Lord Mayor of London to undertake this function, but it has been done this week (Thursday) in connection with the extension of the pharmacy of Messrs. John Bell & Croyden, Ltd., 50 Wigmore Street, London, W. This is, of course, no ordinary pharmacy, and it is, therefore, fitting that it should be the scene of such a distinguished opening ceremony. Some few years ago we gave an account of the amalgamation and removal to Wigmore Street of two historic businesses, and to-day we have to tell of the inauguration of an annexe which doubles the size of the premises. A slight rearrangement of the main pharmacy has been made, and as one enters the new portion is on the left. The fittings are in light oak, and consist chiefly of wall-cases containing surgical instruments and sick-room requisites. On the left is a fitting-room for men, and at the far end are designed two apartments for ladies. The furniture is real Jacobean, with a handsome central Persian carpet; while here and there on the show-cases are to be seen rare pharmacy pots, the whole giving an "atmosphere" of good taste which appeals to most people, and particularly to the *clientèle* of a West-End pharmacy. In the basement the addition has enabled the sterilising department to be extended, so that ample facilities are given to a growing business. A department for the hire of sick-room requisites has also been installed; the articles that can be obtained include baths, operating tables, and special bedsteads. Shortly after 11.30 A.M. the Lord Mayor (Sir Thomas Boor Crosby, M.D.) drove up, and after a few words of welcome from Mr. Walter Hills (chairman of the directors) and Mr. John D. Marshall (managing director) he was handed a pair of gold scissors, with which he severed the tapes holding together the entrance curtains. The party then entered the annexe and were conducted round, the Lord Mayor giving many interesting reminiscences from his long experience as a surgeon. In declaring the new premises open the Lord Mayor recalled that years ago he had visited Jacob Bell at his house in Langham Place, and had still a distinct recollection of the fine collection of pictures which Jacob Bell owned. He also remembered the early days of Listerism, the new premises that day being the outcome of that development of modern surgery. Mr. Walter Hills (who is looking wonderfully well again) proposed a vote of thanks to the Lord Mayor, which Mr. John D. Marshall seconded. Mr. Marshall mentioned that within the past few weeks the company have been approached by both Turks and Servians for a supply of stovaine and glucose ampoules which their organisation enables them to supply perfectly sterile and with promptitude. The Lord Mayor was then conducted through the older portion of the pharmacy, and the pleasing little ceremony ended with cheers as he drove away in his carriage to some other of the multifarious duties of his high office.

## PERSONALITIES.

Notes for this section sent to the Editor should be authenticated and must not be in the nature of advertisements.

MR. J. DE CARLE SMITH, chemist and druggist, has been elected a Vice-President of the Norwich and Norfolk Trades' Association.

MR. T. F. MARCH, chemist and druggist, of Torquay, has been elected a member of the committee of the local Chamber of Commerce.

MR. REGINALD W. GARRY has been appointed English manager of the Pharmacie Calvanara for the coming season at Bordighera, Italy.

THE LATE MR. ALBERT DOMEIER (founder of the London firm of Domeier & Co.), who died at Wiesbaden recently, left a bequest of 2,000 marks (duty free) to the City of London for the benefit of the poor. The amount is to be handed over to the poor-boxes of the Mansion House and the Guildhall Justice Rooms.

MR. W. E. KINSMAN, pharmacist at the St. James' Infirmary, Wandsworth, has been appointed (subject to the approval of the Local Government Board) x-ray operator, at a salary of 25*l.* per annum. The infirmary was the first in London in which such apparatus was introduced by a Poor-law authority.

MR. AND MRS. ALLEYNE FARR, with their two children, left by the *Orama* on October 25 on their return to

Australia, after an enjoyable summer holiday. Since attending the Pharmaceutical Conference in Edinburgh in July, they visited the Continent and the United States and Canada, where they found conditions quite an interesting study. "The whole trip was most delightful," said Mr. Farr before he left.

## BANKRUPTCY REPORTS.

**Re William Desmond Noble**, Well Street, Cable Street, E.—This debtor attended before Mr. Registrar Brougham, at the London Bankruptcy Court on October 25, for public examination, when the Official Receiver reported that the debtor had not quite completed arrangements for the payment of his debts in full, when he would apply for rescission of the receiving order. The sitting was further adjourned till December 6.

**Re Joseph Blackburne Wicks**, 33 Piccadilly Road, Burnley.—This debtor, described as druggist and retail medicated-wine dealer, was publicly examined at the Burnley Bankruptcy Court on Friday, October 25, on accounts showing liabilities amounting to 226*l.* 2*s.* 4*d.* and estimated assets 48*l.* 15*s.* 4*d.* Debtor attributed his failure to "bad trade and small turnover." Answering the Official Receiver, he said he was formerly an assistant to a chemist and druggist, and on December 7, 1908, started business on his own account, borrowing 75*l.* (which had been repaid) and buying a business for 67*l.* The business did not pay. About three months ago he found out that it had been costing him every week to live and for clothing more than he could make out of the business. Answering Mr. Smith Lawson, solicitor (who appeared on his behalf), the debtor said he had three children under ten years of age. Recently he had had to undergo an operation in the hospital, and had to have an assistant in his shop for three weeks. The examination was adjourned.

## LIMITED COMPANIES.

### New Companies Registered.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

DR. HART'S BELT TRUSS CO., LTD. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. The subscribers and first directors are J. S. Cox and L. M. Sarll. R.O., 111 Jermyn Street, S.W.

STRAND CHEMICAL CO., LTD. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To take over the business of E. Basch ("Strand Chemical Co.") and "E. Basch & Co.," 22 Ely Place, W.C. The first directors are J. N. Jack and E. Basch.

SHARP'S DRUG-STORES, LTD. (P.C.).—Capital 500*l.*, in 1*l.* shares. Objects: To acquire the business of chemists and druggists, dentists, opticians, and the like carried on at 49 Edward Street, Brighton, as "Sharp's Drug-stores." The first directors are H. J. Sharp (permanent managing director), "qualified dispenser," and E. Butler, chemist.

S. J. COLEY, LTD. (P.C.).—Capital 7,000*l.*, in 1*l.* shares. Objects: To take over the business of a chemist and druggist and mineral-water manufacturer carried on at 57 High Street and 24 King Street, Stroud, with the proprietary article known as "Dr. Tye's Dropsy, Liver, and Wind Pills," and to adopt an agreement with S. J. Coley. The subscribers and first directors are S. J. Coley, J. W. E. Coley, and H. E. Coley. R.O., 57 High Street, Stroud, Glos.

### Company News.

THE "SANITAS" CO., LTD.—The directors have declared an interim dividend at the rate of 5 per cent. per annum for the six months ended September 30, payable on or after December 1.

HOMOCEA, LTD.—At the meeting held at Winchester House, Old Broad Street, London, E.C., on October 28, a resolution was carried that a committee be appointed to consider any proposals for the purchase of the company.

A. & F. PEARS, LTD.—The twentieth ordinary general meeting was held at the Holborn Restaurant, London, W.C., on October 24, Mr. Thomas J. Barrett (chairman and managing director) presiding. In moving the adoption of the report and accounts (C. & D., October 19, index folio 608), the Chairman said that they had again had a very successful year. However, notwithstanding the important increase in the demand for Pears' soap, the profits are little over those of the previous year, consequent upon continued increase in costs. In reviewing the past twenty years, he pointed out that the value of the business was now over a million, an increased market value of 330,000*l.* over that at its flotation.

## TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, London, E.C., October 31.

**B**USINESS conditions remain pretty much as reported last week, buying operations continuing on restricted lines. The situation in opium is regarded as precarious in view of the war, and considerable buying has taken place in primary markets at advancing rates. Codeine and salts are dearer, the advance on the pure crystals being 9d. Morphine, too, has been advanced 3d., makers being unwilling sellers in contract quantities. Menthol has further advanced on spot, and a good business has been done in quinine at firmer rates. The new saffron crop has proved less than anticipated, and with an excited market in Spain higher prices are asked. Cod-liver oil is flat with an easier feeling. Milk-sugar is in better supply and cheaper. Other articles which have declined are lead-compounds, copper sulphate, ammonia sulphate, benzols, and turpentine. Quicksilver is regarded as weak and second-hands is cheaper. New-crop lemon oil is offered at lower prices from Sicily. Acetic acid is difficult to buy in view of paucity of offers. Cocaine is firm. Glucose is the turn cheaper. Tragacanth is firm, the demand for industrial purposes being good. Turpentine is lower. The principal changes are as follows:

Higher	Firmer	Easier	Lower
Codeine and salts	Antimony	Ammonia	Asafetida
Menthol	Quinine	sulphate	Lemon oil
Morphine	(sec. hands)	Benzols	(c.i.f.)
Opium		Cardamoms	Nutmegs
Saffron		Cod-liver oil	Quicksilver
		Copper	(seconds)
		sulphate	Rosin
		Ipecacuanha	
		Lead-	
		compounds	
		Milk-sugar	
		Sa-saparilla	
		(native Jam.)	
		Turpentine	

### Cablegram.

NEW YORK, October 31.—Business in drugs is active. Opium is quoted at \$7 per lb. for druggists' by single cases. Peppermint oil in bulk is steady at \$2.80. Balsam tolu is weak and lower at \$1.10. Hydrastis is also lower at \$4.40. Menthol is much dearer at \$12 per lb. Cascara sagrada is steady at 8c., and Cartagena ipecac. is firm at \$2.40 per lb.

### London Markets.

ACETIC ACID.—It is difficult to get offers from the factories in view of the shortage in lime acetate. One factory is said not to be a seller of glacial below 43l., and in another direction 40l. is quoted.

ANISE OIL (STAR) remains firm at 6s. 9d. spot for Red Ship brand, and to arrive 6s. 2d. c.i.f. is quoted.

CALABAR BEANS.—Ten bags have been sold in Liverpool at 1s. per lb.

CAPSICUMS.—At auction 43 bags Nyasaland sold at 27s. 6d. for good red off stalk.

CASSIA FISTULA.—Further sales of West Indian are reported at 30s. per cwt.

CHAMOMILES are quiet but firm, the value of good white firsts Belgian being 90s. to 95s., and middling brownish 80s.

CINCHONA.—Further particulars in regard to the Amsterdam auction to be held on November 7 show that the 16,465 packages to be offered weigh 1,473,735 kilos., the quinine sulphate equivalent being 88,040 kilos. The manufacturing bark weighs 1,316,384 kilos., containing 81,956 kilos. quinine, and the druggists' bark 157,351 kilos., containing 6,084 kilos. q.s. The average percentage of the manufacturing bark is 6.23, against 6.45 in October and 6.16 in August.

CITRIC ACID is quiet at 1s. 4½d. to 1s. 4¾d. for foreign and 1s. 5d. for English.

The exports of citrate of lime from Italy during the six months ending June 1912 were 3,611,100 kilos., against 3,959,900 kilos. in 1911 and 3,379,500 kilos. in 1910.

CLOVE OIL.—The November lists of the English distillers will show an advance of 1d. to 5s. 1d. for small lots, the price of 12 w. qts. being 4s. 11d.

CLOVES.—Fair Zanzibar are quoted 8½d. spot, and to arrive October-December has been sold at 8½d. c.i.f. and January-March delivery at 8¾d.

COCA LEAVES.—The 1,190 packages to be offered at Amsterdam on November 7 weigh 66,436 kilos., and contain a total of 1,062 kilos. alkaloids, the average percentage being 1.60, against 1.66 in October.

COCAINE.—The makers' prices for hydrochloride vary from 6s. 5d. to 6s. 7d. per oz., less 5 per cent. for bottom quantities.

CODEINE.—On Monday the makers announced an irregular advance, that on the pure crystals being 9d. per oz., the following being the scale of prices:

	Small Lots.	Contracts over 6 months.
	70 oz.	175 oz.
Pure cryst. ...	16s. 8d.	16s. 3d. ... 15s. 11d.
„ precip. ...	16s. 8d.	16s. 3d. ... 15s. 11d.
Hydrochloride ...	15s. 5d.	15s. 0d. ... 14s. 8d.
Sulphate ...	15s. 5d.	15s. 0d. ... 14s. 8d.
Phosphate ...	14s. 2d.	13s. 9d. ... 13s. 5d.

The above prices are per oz. net, and contracts are booked subject to the falling clause on undelivered balances.

COD-LIVER OIL is easier, with a flat tone in Norway; 66s. per barrel c.i.f. will buy good brands of Norwegian non-freezing oil, and there is also a quotation of 65s. c.i.f.

COPPER SULPHATE has declined 2s. 6d. per ton to 24l. 17s. 6d. for the usual Liverpool brands, and to 25l. 7s. 6d. for March-April delivery.

FENNEL-SEED.—Small sales of Levant have been made at 20s. per cwt.

GAMBOGE.—A lot of 24 cases has arrived from Siam per *Bandon*, which will help to relieve the scarcity.

GINGER.—At auction 698 bags Cochin offered, and 40 sold at 26s. for small shrivelled, washed rough, part wormy. Washed rough was bought in at 36s. to 38s. In Liverpool a good quantity of new crop African ginger has changed hands at 23s. 6d. transit terms, at which there are further buyers, but sellers ask 24s.

GLUCOSE is quiet at 14s. per cwt. nominally for American liquid, but a trifle less would be accepted.

GLYCERIN.—Although the British market for refined is very firm according to what the refiners state, we understand there is still a considerable quantity of second-hand chemically pure offering from Germany at 86l. naked in drums.

KOLA.—At the spice-auction 22 bags West Indian sold at from 3¼d. to 4¾d. per lb. In the drug-auction a bag of small to medium dull Lucía sold at 3d., and 2 bags fair bright Dominican were taken at 5½d. per lb.; 14 packages have arrived from Rotterdam.

LAVENDER OIL.—French is firm at from 15s. 4d. to 15s. 6d. per lb. in contract quantities.

LEMON OIL.—Rather lower prices are cabled this week, new crop for April-July shipment offering at 6s. 6d. and January-March at 6s. 9d. c.i.f.; prompt shipment is 7s. 2d.; spot is still 8s. for choice.

A Palermo advice, dated October 26, reports an unchanged position for either prompt or new crop. Spot oil continued in fair demand, and full prices have been paid; in new crop



business did not develop, as the demand from abroad was absent. The tendency was strengthened, however, by a few local inquiries, which caused sellers to retire. For shipment last crop is quoted 8s., and new crop 6s. 11d. c.i.f.

**MENTHOL** is again dearer, business having been done in case-lots at 36s. to 37s. 6d. for Kobayashi, and for tins from 37s. 6d. to 38s. net has been paid. To arrive a fair business has been done, including Kobayashi-Suzuki at 25s. 3d. c.i.f. for January-February and 25s. c.i.f. for January-March. The arrivals comprise 10 cases *via* Havre, also 10 from Yokohama *in tr.* The price in New York has advanced to \$12 per lb. It is quite possible 40s. will be paid for spot menthol ere long.

**MILK-SUGAR** is easier, good white powder offering at 61s. per cwt. Arrivals have taken place on a larger scale during the past fortnight.

**MORPHINE**.—The makers' price is now 10s. 9d. per oz. for hydrochloride-powder, but in view of the uncertain position of opium they offer in limited quantities only.

**NEROLI OIL**.—Finest French is quoted 9s. 9d. to 10s. per oz. according to quantity.

**OPIUM**.—Considerable buying has taken place in the primary markets during the past week, principally for consumers, all the chief markets participating, and the prices cabled show an advance of 9d. per lb., up to 20s. 6d. per lb. c.i.f. having been paid for usual manufacturing quality; on the spot business has been done at 23s. for 11-per-cent. druggists', but sellers do not appear willing to go on at that figure. It would appear that in view of the war there has been a disposition to cover requirements well ahead, as the possibility of a very small crop in Macedonia next year has to be reckoned with, and future supplies from that source are in jeopardy. Twenty cases have arrived from Bombay and 20 from Marseilles.

**SALONICA**, October 18.—The market appears to be reanimated, several small export sales having taken place for Europe; the prices obtained indicate practically no alteration. As already explained, the autumn sowings are taking place very irregularly owing to the war in the Balkan States. In these circumstances, forecasts are rather towards an advance than a decline, the results of the next crop being viewed in a very pessimistic light.

**SMYRNA**, October 18.—We have to report a very active week, with sales amounting to 169 cases for America, England, and for account of speculators. The prices we can quote to-day are as follows: Mixed common grades (9½ to 10½ per cent.), 17s. 6d. to 19s.; t.g. ditto (10 to 11 per cent.), 18s. 9d. to 20s.; uniform slightly Karahissar (10½ to 11 per cent.), 19s. 6d. to 20s. 3d.; rich old Karahissar and Yerli (11½ to 12 per cent.), 20s. 6d. to 22s.; fine selected Yerli paste, 24s. to 25s. The business done during the week is on the basis of above figures, but owing to the protracted drought and to the active demand from all consumers we can with confidence predict that next week we shall reach a higher level, and probably our quotations will be a shilling or eighteen pence per lb. higher. To-day our market closes very firm, with buyers and only a few needy dealers who may accept above prices. The arrivals are 1,679 cases, against 815 at same date last year.

**CONSTANTINOPLE**, October 23.—The sales of the week are 24 cases druggists' quality at 280 to 288 ptrs. and 101 "soft" and Malatias at 300 to 328 ptrs. per bke. Market is firm, with several orders not yet executed for want of material. There is also an order from Japan for about 25 cases, which will be executed between to-day and Monday. Rain has fallen in the Interior in the last few days. Field work will therefore be undertaken. However, in present conditions, on the eve of winter, we think that good results will not be obtained. The crisis here becomes more acute from day to day, and prices in all likelihood will be maintained.

**ORANGE OIL**.—A Palermo advice, dated October 26, reports a small business at unchanged rates. *Sweet* of new crop is quoted 7s. 1½d. and *bitter* of new crop 7s. 6½d. per lb. c.i.f. London.

**PEPPERMINT OIL**.—In Japanese oil a good business is reported at from 5s. 10d. to 5s. 11d. per lb. c.i.f. for December-March and January-March shipments for Kobayashi and/or Suzuki; spot prices are respectively 5s. 6d. and 5s. 3d. for these brands. H.G.H. is quoted 15s. 6d., London terms, and American tin oil 11s. 9d. to 12s.

**QUICKSILVER** is weak at 8l. per bottle from first-hands, and second-hands quote 7l. 13s.

**QUILLAIA**.—From Liverpool sales are reported at 24l. 10s. to 25l. per ton.

**QUININE** is firmer, with a very fair business from second-hands, including B. & S. and/or Brunswick at 8½d. per oz. Some ask 8½d. to 8¾d., and a limited quantity of Java is offering at 8¾d.

The exports of "quinine, quinine salts and combinations" from Germany during the eight months ending August were as follows:

	1910	1911	1912
Kilos. ...	123,000	131,800	149,100
Marks ...	2,944,000	3,195,000	3,724,000

**SAFFRON**.—Contrary to expectation the new Spanish crop is turning out badly, and the market at primary sources is excited, so much so that sellers do not give firm quotations, and it is difficult to buy. Nominally 45s. to 46s. net is quoted on the spot.

**SANDALWOOD OIL**.—It is stated that the present prices, which are from 11s. 9d. to 12s. per lb. for contract quantities, will be maintained until further supplies of wood are available from the Mysore auctions to be held in November and December. Second-hands who have favourable contracts are able to offer at slightly less than the above.

**SANTONIN** is quiet, with second-hands offering limited quantities at 93s. 6d. to 94s. per lb.

**SHELLAC**.—At auction 202 cases sold without reserve at steady prices, including 84s. for good pale free Orange, 79s. for matted to blocky, 75s. for good pale seconds, 72s. to 73s. for matted to blocky, 67s. for ordinary blocky, 65s. for ordinary dark livery, common dark blocky 59s., dusty sweepings 61s. to 62s., dust block 50s. 66 cases Button sold, comprising good pure stamped cakey to free, 82s.; dark cakey ditto, 75s. to 77s.; No. 1 Button pale cakey, 73s. to 75s.; blocky thirds, 64s.; resinous chips, 65s. Five bags Karachi *Seedlac* sold without reserve at 45s. for dark specky, and 7 cases fair free Siam *Sticklac* also sold without reserve at from 45s. to 47s. Privately, market is quiet, the value of fair TN Orange being 70s., and for arrival November-December shipment of TN is offered at 71s. c.i.f. Futures are lower, the sales including December at 70s. and March 72s. 6d. to 71s. 6d. to 72s.

**SPIKE LAVENDER OIL** is difficult to buy in quantity owing to the poor outturn of the crop; the value is nominally 2s. 10d. per lb.

**TARTARIC ACID**.—There has been a good business for delivery over next year, and for contract quantities agents offer foreign at 1s. 0¾d. per lb. c.i.f. On the spot foreign is quoted 1s. 1d., and English 1s. 1½d.

**TONKA BEANS**.—Four cases have arrived in Liverpool from Para; in the London drug-auction a bag of ordinary part foxy Para was bought in at 12s. 6d. per lb.

**TRAGACANTH**.—The value of druggists' qualities is from 16l. to 17l. 10s. per cwt. Judging by the deliveries, which are expected to reach 2,000 packages this month, the general consumption of tragacanth is increasing.

**TURMERIC** is quiet, with sellers of Madras finger at from 22s. to 24s., and Bengal at 22s. on the spot, at which small sales have been made. Cochin split bulbs are quoted at from 15s. to 15s. 6d., and 23s. for finger.

**TURPENTINE** has declined about 7½d. for the week, American closing at 30s. per cwt. spot.

**WAX, JAPANESE**.—Steady, with sales of November-December shipment at 42s. 6d. c.i.f.

### London Drug-auctions.

Commercial Sale Rooms,

Mincing Lane, E.C., October 31.

At the auctions of first- and second-hand drugs held to-day the tone was dull throughout, only a small proportion of the offerings finding buyers. Cape aloes, of which part only sold, realised steady rates, and for asafetida of old import, which was offered without reserve, irregular but lower prices were accepted. Buchu was quiet, there being no bidding for any description. Sumatra benzoin was steady, and for cardamoms, very little of choice quality of which offered, rather easier rates were paid. Cascara sagrada sold steadily. Reboiled dragon's-blood, if anything, tended firmer considering the quality. Gamboge is quiet, and for honey, of which small offerings were made, prices were



steady. Ipecacuanha tended easier in auction without business. Myrrh is steady, rhubarb quiet, and native Jamaica sarsaparilla easier, while genuine grey Jamaica, of which little offered, was firm. Tinnevely senna was full up, but only partly sold. Turmeric is in heavy supply and neglected, and for beeswax, which was quiet generally, the values paid remained unchanged. The following table shows the quantity of goods offered and sold:

	Offered	Sold		Offered	Sold
Almonds .....	22	0	Jalap .....	4	4
<b>Aloes—</b>			Kamala .....	4	0
Cape .....	42	28	Kino .....	7	0
Socotrine .....	55	10	Kola .....	8	3
Zanzibar (pkgs.) ..	13	0	Laurel-leaves(bgs.)	2	0
Ammoniacum .....	28	0	Lemon oil.. (eprs.)	2	0
Andiroba oil (brl.)	1	0	Lime-juice .....	21	0
Annatto-seed .....	13	0	Lime oil.....	10	0
Areca .....	13	0	Liquorice-root .....	51	0
Asafetida .....	74	68	Musk, Tonq. (cs.)	2	0
Bael-fruit .....	5	0	Myrrh.....	78	10
Balsam tolu .....	2	0	Nux vomica .....	38	0
<b>Benzoin—</b>			Olibanum .....	22	0
Palembang .....	24	0	Orange oil .....	1	0
Siam .....	5	*1	Orange-peel .....	13	2
Sumatra .....	183	14	Orris (Mog.) .....	10	*10
Buchu .....	34	4	Papain .....	5	0
Calumba .....	345	95	Puree .....	7	0
Cannabis indica ...	7	4	Rhapontica .....	43	0
Cardamoms & seed	131	25	Rhubarb (China)...	45	12
Cascara sagrada ...	150	150	<b>Sarsaparilla—</b>		
Cascarilla .....	12	0	Grey Jam. ....	6	2
Cashew-nuts.....	86	0	Honduras .....	4	0
Chiretta .....	12	0	Lima Jam. ....	10	10
Cinchona .....	4	4	Native Jam.....	22	3
Cinnamon oil .....	12	0	Scammonium ....	2	0
Coca-leaves .....	40	1	Scammony-root ..	74	0
Colocynth and pulp	19	0	Seedlac .....	178	0
Cubebs .....	5	0	<b>Senna and pods—</b>		
Cuttlefish-bone ...	25	0	Alexandrian.....	60	29
Dragon's-blood.....	34	20	Tinnevely .....	484	235
Elaterium ... (box)	1	0	Squill .....	40	5
Elemi .....	12	0	Tamarinds, (W.I.)	79	34
Ergot .....	14	6	Tonka-beans .....	1	0
Eucalyptus oil ....	9	0	Tragacanth .....	18	*10
Fennel-seed .....	155	0	Turmeric .....	658	0
Galbanum .....	5	0	<b>Wax (Bees)—</b>		
Gamboge .....	10	0	Australian.....	1	0
Gum acacia .....	105	4	China .....	9	0
<b>Honey—</b>			East African.....	45	45
Cape .....	18	0	East Indian .....	55	12
Jamaica .....	14	10	Grenada .....	1	1
St. Lucia .....	9	9	Jamaica.....	17	6
<b>Ipecacuanha—</b>			Madagascar .....	211	0
Cartagena .....	6	0	Mozambique .....	113	0
Matto Grosso ...	22	0	Wax, Japan.....	25	0
Minas .....	2	0			

\* Sold privately.

**ALOES.**—Steady. Ten kegs Socotrine sold at 62s. 6d. per cwt. for fair hard hepatic. Cape was also steady, 26 cases selling at 41s. 6d. to 42s. 6d. per cwt. for hard bright firsts; Mossel Bay (20 per cent. tares), 38s. to 39s. for slightly drossy and soft, 36s. 6d. to 37s. for drossy seconds, and 34s. 6d. for dullish hard. Another lot of 13 cases offered and two sold at 37s. 6d. for dull and soft.

**ASAFETIDA.**—A parcel of 68 packages of old import sold at irregular but lower prices, the following rates being paid: Pinky almondy block, 6l. 15s.; sandy heavy part almondy block, 5l. 7s. 6d. to 5l. 10s.; part loose tear and block, 5l. 15s.; very heavy brown block, 95s.; dark stoney block, 70s. to 75s.; and wet pasty, 55s. to 60s. per cwt.

**BENZOIN.**—Firm, but quiet, ten cases Sumatra selling at 6l. 5s. per cwt. for common seconds with small almonds, and four cases at 8l. 5s. for good almondy seconds, slightly false-packed ends.

**BUCHU.**—Quiet in auction, but firmly held at 6s. 6d. for good clean green round, 6s. to 6s. 3d. for slightly stalky, and from 4s. 9d. to 5s. 3d. for yellow to yellowish stalky. Ovals were held at from 1s. 9d. to 2s., and three bales (800 lb.) sold at 4½d. without reserve for chopped stems sprinkled with a few long leaves. Seven packages have arrived from Cape Town.

**CALUMBA.**—A lot of 70 bags sold without reserve at from 7s. to 10s. 6d. per cwt. for mostly sugar-damaged sorts, and 25 bags small to bold native washed sorts realised

18s. 6d. per cwt. Seventy bags have arrived from Bombay.

**CANNABIS INDICA.**—Four bags of common sea-damaged European sold at 4½d. and siftings at 2d. per lb. without reserve.

**CARDAMOMS** tended easier, but the quality of the higher grades showed a falling off, being partly split. The following rates were paid: Ceylon Mysore extra bold lone pale (a few open), 5s. 9d.; good bold palish, 5s. 6d.; medium and bold ditto, 5s. 2d. to 5s. 3d.; small and medium ditto, 4s. 6d.; brown and splits, 3s. 6d.; good seed, 4s. 8d. Fifteen cases seed offered without reserve, of which five sold at 1s. per lb., the quality being spurious. A further seven cases seed offered without reserve, but no bid was forthcoming, the quality also being doubtful.

**CASCARA SAGRADA.**—Steady, 150 bags imported this month selling without reserve at 35s. 6d. to 36s. net and gross for net; 175 sacks have arrived from Hamburg.

**CINCHONA.**—Four cases Java long strips (9.17 per cent. total alkaloids) sold at 5d. per lb.

**COCA-LEAVES.**—A single bale of damaged common Ceylon-Truxillo sold at 3½d. per lb. subject to buyer's approval; 15 packages common brown Ceylon-Huanuco were bought in at 3d., and thin greenish broken Ceylon-Truxillo at 6d. per lb.

**DRAGON'S BLOOD.**—Firm. Seven cases fair reboiled Singapore native-picked lump, but slightly mixed with dull, sold at 11l. 10s. Six cases of pickings from the same parcel realised 6l. 2s. 6d. to 6l. 5s. per cwt. Three cases damp ordinary part seedy lump sold at 95s., and three packages common dull damp bag-shaped lump at 90s.

**ERGOT.**—In auction four bags of common wormy German sold at 4s. per lb., and for two bags of small sound German 4s. 8d. was paid. For sound German or Hungarian 4s. 6d. per lb. spot is quoted, and business has been done in Russian at 4s. 8d. c.i.f. The arrivals comprise seven bags from Russia, 35 packages from Vigo, and 9 bags from Hamburg.

**HONEY** sold without alteration, 10 barrels thick palish fermenting brown Jamaica realising 25s., and four cases St. Lucia dark brown liquid realised 27s.

**IPECACUANHA.**—Dull of sale and rather easier, fair Matto Grosso offering at 10s. per lb., without business. Fair Cartagena was held at 9s. 3d. The *Amazon*, from Bahia, has brought 24 packages (probably Minas).

**JALAP.**—Four bales small to bold Vera Cruz (6.75 per cent. resin natural; 7.76 per cent. when dried) sold without reserve at 9d.

**LIME-JUICE.**—Fourteen packages offered, but nothing sold, the value of good raw West Indian being 1s. 3d. per gal.

**MUSK.**—Two cases of small to bold old-fashioned Tonquin pod with thick skins were limited at 50s. per oz., the nearest bid being 45s.

**MYRRH** was steady in auction, 10 bags of glassy Somali sorts selling at 50s. per cwt. A further 26 packages were bought in, including blocky and darkish Aden sorts, at 52s. 6d. per cwt.

**ORANGE-PEEL.**—Two cases fair thin Tripoli strip sold at 8½d., and 13 cases of similar quality were held at 10d.

**RHUBARB.**—Quiet; two cases of bold round Shensi with three-quarter good pinky fracture, slightly wormy, sold at 2s. 6d. per lb., and a lot of 10 cases small round rough of High-dried (Rhapontica) character with three-quarter good pinky fracture, one-quarter dull and dark, sold at 6d. per lb. subject. This rhubarb, which appeared to have been cut in lengths, was said to have come from a new district in China, and had been imported from Tientsen.

**SARSAPARILLA.**—Firm for genuine grey Jamaica, two bales selling at 2s.; 2s. 1d. was wanted for a further four bales. Native Jamaica was slow, and rather easier, two bales realising 10½d. to 11½d. for fair red. The bales in question showed a new departure in packing, having been pressed and bound with wooden staves held in place by wire. A bale of fair red sold at 1s. Ten bales Lima-Jamaica sold at from 1s. 8d. to 1s. 9d. for fair, part roughish. Four



serons Honduras were offered, and a bid of 1s. 3d. is to be submitted for two.

SENNA sold at full-up prices for Tinnevely, but a fair proportion of common yellowish leaves were held firm at 1½d. at the opening of the auction, buyers' idea of value being 1¼d.; for good bold green leaf 3¾d. to 4d. was paid, medium and bold green 3½d. to 3¾d., sea-damaged ditto 3d., middling greenish 2½d. to 2¾d., and common to ordinary small yellowish and specky 1¼d. to 1¾d. Pods sold at 1¼d. to 1½d.; 26 bales Alexandrian had been sold privately; 3 cases fair greenish leaf, without reserve, realised 8d.; and of pods 12 bales Alexandrian were offered and bought in, 7d. being wanted, but a bid of 5½d. is to be submitted for part.

TAMARINDS.—A lot of 34 barrels ordinary dry stoney West Indian sold at 11s. 6d., and dark ditto at 11s. per cwt. in bond.

WAX (BEES').—Jamaica was steady, 5 packages selling at 7l. 15s. for fair brown; a barrel nice pale Grenada sold at 7l. 15s.; 45 packages East African realised 6l. 17s. 6d. to 7l. for fair, part drossy. Of East Indian 4 cases of unbleached Bombay sold at 6l. 5s. per cwt.; 211 packages Madagascar were bought in, 7l. 2s. 6d. being wanted for fair block, and for 113 bags of Mozambique no mention of price was made. Bleached Calcutta was held at 8l. 5s.

### Manchester Chemical-market.

October 30.

On the whole the past month cannot be taken as a prosperous one in the chemical trade, and in the latter part the feeling on export account was very quiet. No doubt much of this is due to the war in the Near East, but this is bound to react on our domestic trade sooner or later to a considerable extent, Turkey being one of the best customers for Lancashire goods. In heavy chemicals, makers are still engaged in settling contracts for bleaching-powder at the advanced rates for delivery over next year. So far prospects are reported good. Caustic soda is steady and ammonia alkali firm. Sulphate of copper has been to some extent influenced by the variations in the raw metal; but the feeling at the close has been decidedly better, although there is not much quotable change to note on last week, either for prompt or forward delivery. There has been a better inquiry for Montreal potashes, but supplies are still small. Pearl is still dead, though Canadian ashes remain quietly steady. Chlorate of potash has been in good request, but sulphate of potash has been neglected. Carbonate of ammonia has been in better demand at 3¾d. per lb. Alum in fair inquiry. Muriatic acid quiet. Tower salts (30° Tw.) 1s. 5d., and ditto cylinder (30° Tw.) 2s. 9d. per carboy. Sulphuric (fuming 70 per cent.), 6l.; pyrites, 168° 3l. 2s. 6d. and 150° 30s.; free from arsenic, 150°, 35s. per ton. Aniline oil, pure, easier at 5½d., and salt 5d. per lb. Bisulphite of carbon 18l. 15s. per ton. Crude glycerin, 80-per-cent., is quoted 65l., and industrial, s.g. 1.260, 87l. per ton in quantity, naked. Brown acetate of lime steady at 7l. 15s., and grey, 80-per-cent., 13l. 5s. per ton c.i.f. for American. Green copperas firm. Cream of tartar and acids generally have shown little change, though the feeling is quiet. Coal-tar products have been fairly steady on the whole. Sulphate of ammonia is quoted 14l. per ton f.o.r. Manchester.

### Heavy Chemicals.

The general tendency of affairs in the heavy-chemical market remains much the same as indicated in recent reports, and this applies to all main centres of the industry. Both contract and miscellaneous deliveries keep good, and shipments are also a good average, except to those Eastern ports affected by the war. Values all round, with few exceptions, maintain a firm tone.

SULPHATE OF AMMONIA keeps on the quiet side, and further slight decline in values is to be noticed. Present nearest figures: Beckton, prompt, 25-per-cent. ammonia guaranteed, 13l. 17s. 6d.; London terms, 13l. 7s. 6d.; Leith, 14l. 2s. 6d.; Liverpool, 14l. 1s. 3d. to 14l. 2s. 6d.; and Hull, 14l.

BENZOLS have taken a quieter tone, and are also somewhat lower, with present naked figures: 90 per cent. 1s. and 50 per cent. 10½d. to 11d.; North, 11d. and 10d. respectively.

LEAD PRODUCTS have declined further, and market at present is dull. Present nearest: dry white lead, 26l.; red lead, 23l.; pig lead, 20l. 10s.; sheets, 25l. per ton Tyne.

BARIUM COMPOUNDS are on the firm side, with good demand. Chloride particularly is higher. Blane fixe, pure precipitated sulphate of barium in paste form, 6l. 10s. to 6l. 15s. per ton in 8 to 9 cwt. casks. Mineral sulphate of barytes, ground, 35s. to 90s. per ton, according to quality, quantity, and

package. Chloride of barium crystals, in 8 to 10 cwt. casks, 6l. to 7l. per ton. Precipitated carbonate of barium tends higher from present range of 5l. 10s. to 6l. 5s. per ton in 2-cwt. bags, according to quantity. Crude calcined barium sulphide very firm, quality 70 to 75 per cent. BaS, 5l. 5s. to 5l. 15s. per ton in 5 to 6 cwt. casks. Hydrate of barium crystals, in 6 to 7 cwt. casks, 12l. 5s. to 13l. 5s. Concentrated solid, 58 to 60 per cent. BaO, in 6 to 7 cwt. drums, 13l. 10s. to 13l. 15s., and crushed in 6 to 7 cwt. casks, 15l. to 15l. 5s. per ton.

### German Alcohol.

The price of German potato spirit has been reduced by the Centrale from m.75.50 to m.69.50 per hectolitre for prime. It is hoped that as soon as the supply of raw material increases and a survey of the crops has been made the Spirit Centrale will announce a still further reduction. At the time the new taxation took place the price of spirit was m.46 per hectolitre. Since then the fluctuations have been as follows:

	M. pf.		M. pf.
Beginning of August	...	March 20, 1912	69.50
1911	52.90	April 20, 1912	75.50
August 15, 1911	58.50	Present price	69.50
January 18, 1912	61.50		

### French Riviera Crops.

LAVENDER.—At the beginning of the crop fears were expressed that prices would be higher on account of the scarcity and important demand by perfumers and soap-makers. The peasant labour was also hired at much higher prices than formerly, from fr.7 to fr.8 per 100 kilos, being paid for picking, and in some instances an expert labourer has been able to earn fr.20 to fr.25 per day. The flower-market opened at fr.13 per 100 kilos, and gradually increased to fr.18 to fr.20 towards the end. The September rains and the cold weather of the last few days have interfered with the distillation, and towards the close it was necessary to distil immature and wet flowers. In spite of all these drawbacks, however, the distillation of the oil is about one-third better than an average crop. The prices, which are now fixed at from fr.38 to fr.40 per kilo., are expected to be maintained, but a decline may be looked for at the beginning of 1913. The lavender-markets held at Nyons, Luc-en-Diois, Sault, etc., were only sparsely attended, and few transactions took place.

SAGE.—The crop has been fairly good, but the demand has increased considerably this year. Cultivators have rooted up their plants, for which high prices have been paid, thus destroying the crop for next year. Present prices are from fr.700 to fr.800 per kilo., according to quality.

JASMIN.—The crop is drawing to a close; it extended this year on account of the rains and the relatively cold summer. The demand was important from perfumers, and work continues until the crop is exhausted.

### Sudan Acacia.

The current issue of the "Bulletin of the Imperial Institute" contains a note on the gum-trade of the Sudan, which is reported to be in a satisfactory condition. During 1911 prices ruled high, at one time reaching 52s. per cwt., and the demand for Sudan gum was unprecedented in Europe. Consequently new forests were opened up, the older ones becoming exhausted; while the natives have had such a great incentive to collect gum that they have forsaken to a great extent ordinary cultivation. The new railway in Kordofan Province is of great assistance to the gum-trade. Notwithstanding this prosperity several difficulties have been encountered. The amount of gum exported has not greatly increased during 1911, in spite of the high price, owing to the more accessible forests being worked out. An inquiry has shown that no serious competition with Sudan gum is to be feared so long as the price keeps below 50s. per cwt., except that Senegal and Aden gums may compete to some extent for certain purposes. It is also doubtful whether the consumption would be greatly increased if prices fell below 28s. per cwt., as no large industry is prevented from using Sudan gum by the high price. Experiments have been made in regenerating gum-tree forests, but up to 1910 these have failed. In 1911, however, the results were more promising, but only a small quantity of seed was available, owing to the bad season, while difficulty was encountered in the lack of officers to give the necessary supervision.

THE IMPORTS OF DRUGS AND CHEMICALS into the Federated Malay States during 1911 amounted to \$220,572, against \$140,268 in 1910. Medicine imports were valued at \$688,774, against \$604,612 in 1911. [Straits \$=2s. 4d.]

THE IMPORTS of chemicals and pharmaceutical products into the Argentine from January to June 1912 amounted in value to 7,181,228 pesos, against 5,928,849 pesos for the corresponding period of 1911. [Peso (gold)=4s.]





### Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

#### National Insurance Dispensing.

SIR,—The "estimated" cost of drugs being 1s. 6d. *per capita*, we poor pharmaceutical jays are to be allowed to give our services and qualifications for nothing, the medicos to get 7s. for theirs. Are we supposed to get up at all hours of the night (the doctor having given his prescription) to oblige Mr. Everybody? Doctors have become accustomed to order proprietary preparations largely—*e.g.*, to-day, thermofuge  $\frac{1}{2}$  lb., resinol ointment, and "Tabloid" thyroid gland. The best of everything out of 1s. 6d. per annum? Perhaps Jay Mack can oblige. It is a nice prospect for the "single-handed pharmacist," especially the night work.

Yours, etc.,

LIBERTAS. (100/73.)

SIR,—Now that we have some definite figures to work upon in connection with medical benefit under the Act we can estimate our future position with a little more accuracy. We find now that we are tied down to a maximum of 2s. per head (the minimum is not worth mentioning) for drugs and appliances, and, to repeat Mr. Lloyd George's words, "We want the best drugs available in the market for the treatment of the industrious population of the country." We also find that the prescribing of the best drugs is in the hands of the doctor, and best drugs would include such preparations as glycoheroin (Smith), liq. pepticus (Benger), pinheroin (Oppenheimer), etc., so that the chemist is entirely in the hands of the doctor as to whether he will lose or gain. What is to prevent the doctors from deciding to make an attempt to get the dispensing by ignoring the extra 6d., and ordering such expensive preparations that would drive the chemists off the panels, and thus render the supply of drugs inefficient? We must admit that the idea of the available 6d. for economical prescribing is a smart one, but I do not think there will be anything left out of the 6d. at any time. Nobody knows what dispensing will cost under the Act. Sir William Plender's report states that 5d. represents the actual cost of drugs—[It did not. See footnote to Mr. Jackson's letter.—EDITOR]—but Mr. Lloyd George seems to realise that the conditions will be totally different, and has placed the figure at from 1s. 6d. to 2s. to cover drugs, time, profit, and appliances, which, on paper, does not seem unreasonable, but in practice I am afraid it will be much too little; in fact, I doubt if 2s. would cover the cost of dispensing if only the cheaper drugs were used. By cheaper drugs I do not mean quality, but such things as sodii bicarb., mag. sulph., etc. Under the circumstances I do not think the chemist's position is very satisfactory. The Insurance Committees have the arrangement of the tariff, but they will not be able to allow more than 2s. whatever system they adopt. They can report to the Commissioners that the chemists will not supply drugs and appliances for 2s., but are willing to supply according to a schedule that they have proposed, and then the schedule would be considered by the Commissioners. Judging from Mr. Lloyd George's attitude on remuneration he seems willing to pay a fair price, but he must be thoroughly satisfied that a price is fair, and if the chemist sticks out for a fair price from the start he stands a good chance of getting it ultimately. Whatever price is accepted at the commencement will be expected in future; at least, it will not be increased, but reduced if anything. In my opinion, and I think the opinion is generally agreed, the only satisfactory system

is to charge for what is actually supplied, then we can wait and see if it works out at 1s. 6d. or 2s. per head. I should strongly advise everyone connected with the arrangement of a tariff to consider thoroughly my articles in the *C. & D.* of March 2, index folio 325, and March 9, index folio 372, before finally deciding, unless someone can bring forward a better system.

Yours faithfully,

West Croydon.

H. C. RICHARDS.

SIR,—The present position of chemists who are willing to entertain 1s. 6d. per annum or thereabouts is exactly the same as that of the sparrows who may be caught with chaff under a riddle during a hard winter. There is no grain of food or profit to be seen, but the birds are willing to risk their lives in the chance of finding sustenance. It is gratifying to know that the Insurance Commissioners accept the principle of payment by scale for drugs supplied. We know that the sum of 1s. 6d. is about the full limit to be paid to the chemist, and it will be interesting to "wait and see" how a scale can be drawn to fit such a ridiculous allowance. Sir William Plender reported that 5d. has been about the cost price per head for drugs under club practice, and no wonder the members of friendly societies complain of poor treatment received. Medical men are not accountants or good bookkeepers, hence it is difficult to get the percentage of persons (approved lives) who seek medical aid; but it is assumed that perhaps half the number of insured persons have had treatment. I have found a chemist who for the last twenty-five years has dispensed for an Oddfellows' Club at the rate of 1s. 6d. per head, drugs inclusive. The result will be interesting to those who contemplate accepting a similar sum. The percentage of persons is not available, but there are 310 members in the club, and the chemist has dispensed 627 prescriptions in the year; each prescription, of course, had at least one bottle of medicine, and in other cases lotion, pills, and ointment as well, so that 800 separate formulæ may have been dispensed. The prime cost of drugs varied from, say, 3d. to 1s. each prescription, and the chemist did not get bricklayer's wages for his twelve months' service. If a chemist could take one solid order for 600 prescriptions he might execute it in a week and earn a 5d. note; but extend it over twelve months in fivepences, serve 600 people "at all reasonable times," and the remuneration is as absurd as it is unprofitable, and the man who takes on such a proposition must be short of something to do, a philanthropist, or a nonentity. Allow Sir William Plender's cost of drugs to be 5d. per head, then 1s. 1d. is left for the chemist's services and establishment expenses. If the chemist is worth only 1s. 1d. and the doctor 7s., then a doctor's wages (poor as they are) are seven times as valuable as the poorer chemist; but the mockery of the Insurance Act reaches its height when it is acknowledged that whatever benefit the patient is to get from consulting a medical man (except surgical operation) must be obtained from the efficacy of the drugs he prescribes, and I will leave anyone to judge how much he can reasonably expect for the money. Doctors and chemists know that patients cannot get efficient treatment on such terms, and that if the drugs cost nothing the sum allowed would scarcely pay the wages of a qualified chemist. The Act is therefore skilfully worded to import unqualified men, and the public will have to put up with the consequences. If the word of the Chancellor of the Exchequer be accepted as final, that the country cannot afford to distribute a few more millions, then the whole scheme as at present drafted is a failure if the poor people do not get the benefits promised—it is a fraud—and their only remedy is to refuse to contribute their hard-earned pennies until they see some better prospects of getting a return for their money.

Yours truly,

J. J. JACKSON,

Pharmaceutical Chemist, of the firm of

Hereford, October 25.

Chave & Jackson, Ltd.

[The "5d." referred to by Mr. Jackson is the subject of an Editorial Note in this issue. Sir William Plender's report did not give 5d. and did not refer to club practice. The amount expended on drugs by the doctors of Darlington, Darwen, Norwich, and St. Albans was for all classes of patients.—EDITOR, *C. & D.*]



SIR,—While proposing to increase substantially the remuneration of the medical practitioner, as compared with the original proposal, the Chancellor of the Exchequer still adheres to an allowance of 1s. 6d. for drugs, etc., as the average *per capita* expenditure for this form of medical benefit. From the figures which he adduces in support of his proposal, this sum would even appear to be excessively high and to allow of an ample margin without the 6d. bribe to the doctor to prescribe as cheaply as possible. However, the question arises, Will it be really possible to supply the necessary drugs, etc., at a capitation rate of 1s. 6d.? Speaking from practical experience of National Insurance, this sum would certainly appear to be quite inadequate to fulfil the promise of providing the insured with the best possible treatment, and in proof of this assertion the conditions in other countries with a system of compulsory insurance may be evidenced. In Germany, the expenditure for drugs, etc., amounts to no less than 3s. 7d. per person insured. A competent authority—Privy Medical Councillor Dr. Springfield—assumes that of this amount 2s. represents the actual cost of medicines, and the remaining 1s. 7d. goes to cover the expenses for baths, wines, instruments, bandages, or surgical appliances prescribed for the insured. Thus, even if we allow that under the British system the insured is to be entitled solely to the necessary medicines, to the exclusion of appliances, etc., this would still mean a *per capita* expenditure amounting to 6d. less than the cost of providing the same benefits to the German insured. Under these circumstances, assuming that the British insured is to enjoy at least the same medicinal treatment as extended to his Teuton cousin, we are confronted by the following alternatives: Either the German pharmacist is allowed a larger margin of profit on the supply of medicines to the insured than it is proposed to concede to the British pharmacist—i.e., the supply of medicines is to be conducted on a cheaper basis—or it is assumed that it takes less medicine, perhaps one "powerful" dose is sufficient, to cure an English club patient than a German one. The latter assumption is not in keeping with our alleged national trait of being the champion pill-swallowers—*pace* Patent Medicine Inquiry—and the numerous complaints, backed by abundant statistical proof, voiced by German and Austrian pharmacists, that dispensing on behalf of club patients has long ceased to figure as a source of profit dispose of any fallacy with regard to the German pharmacist's experiences of the alleged benefits accruing to him from an increase in the volume of his dispensing work. (*C. & D.*, July 27, 1912, p. 139). In Denmark the cost for drugs only is even higher than in Germany, and figures with a *per capita* average of 2s. 11d.; so that the British allowance of 1s. 6d. compares very unfavourably with the Danish 2s. 11d. and German total of 3s. 7d., or for drugs alone say 2s. It is here interesting to note that while in Great Britain cheapness in prescribing is to be effected by the somewhat peculiar method of holding out a bribe of 6d. to the "economically prescribing doctor," as the German sick-clubs would term him, the German club doctor is compelled to economise by the provision of the following safeguards:

In many cases he has to adopt special formulas for certain medicines, so compounded as to effect a considerable economy over ordinary recipes; he has to avoid "expensive" forms of medicines, such as infusions, cachets, or protected specialities, and if he considers it in the interests of his patient to prescribe an expensive drug, he must first obtain the consent of the board of the sick-club, for in very many cases the clubs adopt the simple but effective method of penalising the doctor who does not prescribe economically enough to suit the views of the board; or, where the fees are paid by the club to the Medical Association and divided by the doctors among themselves according to a system mutually agreed upon, the doctors themselves control the cost of each prescription and make an offender pay up if he does not prescribe "rationally." Further, instead of divided powders, these are prescribed in bulk, with directions to "take as much as will go on the point of a knife," or  $\frac{1}{2}$  oz. of pot. iod. with directions to "dissolve in a winebottleful of water."

These few examples will prove that dispensing on behalf of the insured in a scheme of National Insurance has

become an exact science in the art of economy; indeed, books have been published on the subject for the guidance of German and Austrian sick-club practitioners.

Yours faithfully,  
G. P. FORRESTER.

#### "Mites," not "Mice."

SIR,—Permit me to direct attention to a curious error on the part of your reporter on p. 65 of your last issue. I am there reported to have said "the variation produced in the oil of peppermint produced from plants which have yielded bracts instead of leaves from the attack of mice." The sentence should have read "have yielded bracts instead of flowers, from the attack of mites." The origin of the statement you will find in the "Perfumery Record" (ii., 37). The name of the mite is *Eriophyes menthae*.

Yours faithfully,  
E. M. HOLMES.

#### The Rise of Drug-stores: Why?

SIR.—Your correspondent "Adsum" says if the N.U.A.P. would only take up the abolition of the indoor system, it (the Union) would receive his support, and help in his spare time. Well, Sir, I shall be pleased to hear from him, for this is one of our main planks, and we only want a few more like him to unselfishly give some time to the movement to bring it to a successful issue. "Infelix's" seventh remedy for the condition of pharmacy is fine! But it is most important that pharmacists should combine before they enter business on their own account and acquire those petty jealousies and suspicions inseparable from competitive conditions. The National Union of Assistant Pharmacists provides the channel.

M. H. BENNETT  
(Hon. Sec. N.U.A.P., London Branch).

[Other letters on this and the allied subject "What's wrong with Pharmacy?" are held over.]

#### Legal Queries.

Consult "The Chemists' and Druggists' Diary," 1912, pp. 435 to 454, where most legal difficulties are anticipated, before writing about your difficulty.

*Salopian* (104/55).—See the decision as to meal-times under the Shops Act reported in this issue.

*Wine* (102/12).—Off wine-licences are not granted in Scotland as in England, and the formalities necessary for the grocer's licence must be gone through.

*X. Y. Z.* (231/29).—Is an unregistered drug-store proprietor who has dispensed for a doctor ten years entitled to be on the panel and dispense all prescriptions under the Insurance Act, or what can he do under the Act? [No. As an assistant to chemists or companies he may dispense for his employers.]

*Subscriber* (104/8).—The cost of registering a company depends chiefly upon the capital. It is not obligatory to employ a solicitor. The forms necessary can be obtained from a law stationer, such as Jordan, Chancery Lane, London, with particulars of the stamp duties, as to which see *C. & D. Diary*, p. 456.

*W. H.* (98/67).—Section 31 of the National Insurance Act provides for the transfer of insured persons from one approved society to another. You appear to be labouring under some misconception on the point, for when you join another society your value will be transferred to it from the old one, and you will lose nothing. The section recognises compulsory transfer, and your ignorance of the fact that that is the condition in the society to which you belonged is peculiar.

*W. J.* (99/54).—An order made under Section 4 of the Shops Act for the shutting of chemists' shops at 1 p.m. does not prevent anyone opening at 10 p.m. to supply medicines. Sub-section 7 provides that the occupier of a shop shall not be guilty of an offence in such circumstances when there is reasonable ground for believing that the article sold is for a case of illness. Besides, it is doubtful if an order can prevent the sale of medicines after closing hours, and the statutory regulations provide conditions on which they may be sold, irrespective of Sub-section 7.

*Belfast* (103/59).—Section 10 (2) of the Shops Act enables mixed shops, such as a chemist's, to be kept open independently of any closing order for the evenings made under



Section 5. In the case of the half-holiday, the Irish regulations prescribe exhibition of a card similar to that which we supply, and that "so far as reasonably practicable, no goods in connection with the trade or business not exempted shall be exhibited either inside or outside the shop." Statements as to having the door locked, blinds drawn, and so on do not occur in the regulations, nor do these prescribe any conditions whatever in respect to exempted trades carried on after prescribed closing hours in the evenings, but conditions may be prescribed on the order by the local authority.

### Miscellaneous Inquiries.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published prices, usually 6d.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

*Garlic* (93/69).—Grammatical questions are not directly of trade interest. The best climate for asthmatic people depends upon the cause of the asthma, whether purely bronchial or cardiac. All cases should avoid places liable to sudden variations of temperature, fogs, and east winds; also hilly districts or those involving descents and ascents.

*G. M.* (80/17).—You had better consult a medical man regarding the deposit, which appears to consist of uric acid.

*T. R. S.* (58/44).—VEGETABLE DYEING.—Probably the following two books, published by Cassell & Co., would be best suited for your requirements: Hummel's "Colouring-matters for Dyeing Textiles," and the same author's "Dyeing of Textile Fabrics."

*R. C. W.* (79/38).—We are not acquainted with a method of preserving botanical specimens with formalin which does not affect the colours of the flowers.

*S. W. D.* (93/12).—Five methods of REMOVING TATTOO-MARKS were given in the *C. & D.*, August 10, index folio 272, to which you should refer.

*H. W. G.* (93/11).—HUDSON BROWN is not mentioned in Schultz and Julius's "Organic Colouring-matters," which contains the most complete list of synonyms of aniline colours. You do not say in what connection the name occurs.

*J. C.* (Cape Town) (92/5).—HYPO ELIMINATORS.—The chemicals used for removing the last traces of sodium hyposulphite from photographic negatives are potassium percarbonate and ammonium persulphate. The solution of either chemical is made of the strength of 2½ grains per oz., and in the case of ammonium persulphate the addition of sodium carbonate (5 grains per oz.) is required.

*Lancaster* (91/5).—MANUFACTURE OF LIQUEURS.—We do not know any better source of information on this subject than "Pharmaceutical Formulas," in which about seven pages are devoted to recipes for bitters and liqueurs.

*W. H. B.* (79/49).—SOLUBLE ESSENCE OF LIMES:

Oil of limes ...	...	...	1½ oz.
Rectified spirit ...	...	...	20 oz.
Distilled water ...	...	...	10 oz.

Triturate with magnesia, and filter bright.

Half an ounce of this soluble essence is required for each gallon of syrup.

*J. M. J.* (82/43).—Cuttings of scarlet cloth are doubtless required in the old recipe, the object being probably to produce a coloured liquid. This we can only surmise, as you do not give sufficient information in making your inquiry.

*R. H. R.* (60/22).—(1) DESTROYING GROWING TREES.—The chemical method consists of pouring sulphuric acid into holes bored in a downward direction into the trunk of the tree it is desired to kill. It is much better to use the axe. (2) PICTURES OF WILD FLOWERS.—The four books by Corke and Nuttall, entitled "Wild Flowers as They Grow" (Cassell, 5s. each series), are the newest publications of the kind. The illustrations are photographed direct from nature.

*E. H. R.* (90/30).—SKIN-CREAMS.—A series of articles on the manufacture of modern skin-creams was given in the *C. & D.* during April 1909. The subject is also dealt with in "Pharmaceutical Formulas." We cannot undertake to supply formulae in imitation of proprietary creams.

*M. F.* (78/14).—MATCH-MAKING.—The subject is too large to be treated in this column. You will find in Thorpe's "Dictionary of Applied Chemistry" an excellent article on the manufacture of matches, to which we recommend you to refer. The composition of the rubbing surface in safety-matches depends upon that used for the matches; but many examples are given in the article to which we refer.

*Arle* (75/74).—MILK-ANALYSIS.—Naturally the figure for total solids obtained by actual drying is to be considered as correct if the film of dried milk is thin. The specific gravity taken in bottle (presumably at 15° C.) cannot be impugned. In our experience calculation of fat from total solids and specific gravity or *vice versa* by Richmond and Hehner's equation (or the slide rule based upon it) gives results quite comparable with those obtained by actual trial, most analysts checking their results by its means. The determination of fat is more likely to be the variable factor, especially with the Leffmann beam method, if the bottles have not been calibrated. The figures you give—s.g. 1.030, fat 3.95, and total solids 13.45—do not appear to be concordant, the figure 12.4 obtained for total solids by the slide rule being far more natural. It is probable that the other analyst works out his total solids by slide rule with ordinary samples, and determines them directly with the samples taken by the inspector.

*A. S.* (233/33).—Limestone containing 90 per cent. of CaCO<sub>3</sub>, will yield 83.4 per cent. of CaO, reckoned on the basis that the non-calcareous portion of the limestone does not lose weight on heating.

*Alpha* (105/35).—Murrain is foot-and-mouth disease. See "V.C.P.," p. 220. As to sleepy staggers, see p. 124. Probably you have given the names of very serious ailments to trifling complaints.

*C. T. N.* (83/61).—GENERATION OF CHLORINE.—Chlorine is always prepared on a commercial scale by the action of hydrochloric acid on substances capable of oxidising the hydrogen, thus setting free the chlorine. The hydrochloric acid is nearly always employed in the free state, as it is obtained in the technical process of manufacturing sodium sulphate by decomposing common salt by sulphuric acid. Manganese dioxide, either native or artificially produced, in the form of "Weldon mud," is used for supplying the active oxygen for liberating chlorine from hydrochloric acid. There are, however, processes for employing atmospheric oxygen directly for that purpose, one of which—the Deacon process—has been practised on a large scale for many years.

## Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Nov. 15, 1862.

### A Perennial Complaint.

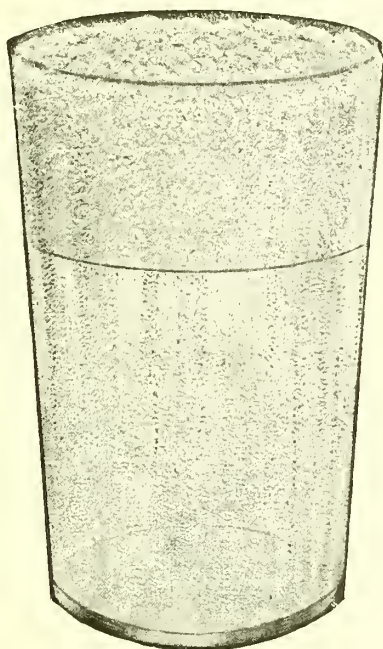
The proposal for increasing the size and consequently the price of our Journal made by our clever correspondent "Hibernicus," is one that we received with intense satisfaction, as we have long been sighing for more space to deal with the interesting subjects brought constantly before us. All regular readers of the Journal will know that we have often been compelled to defer the publication of promised articles for want of space; but we alone know what a mass of useful and readable matter has to be shelved every month. For an increased subscription we could promise the Chemists and Druggists of the United Kingdom a monthly journal quite equal to the American Journal of Pharmacy, and possessing many striking features which that excellent publication does not possess. . . . We long for more space to discuss the numerous important trade questions which have lately arisen, and to repel the accusations that are continually brought against the Chemists and Druggists by their enemies. At the present time the doctors, through their principal organ, the *Lancet*, are doing all they can to injure our honourable trade, and to undermine the confidence of the public, which the members of this trade deservedly enjoy. In the pages of our Journal the falsehoods and mis-statements of the doctors' unprincipled scribes must be exposed. The Pharmaceutical Journal has become a sort of jackal to the medical lion, and merely reproduces in a feeble way the *Lancet's* abuse of non-pharmaceutical Chemists.



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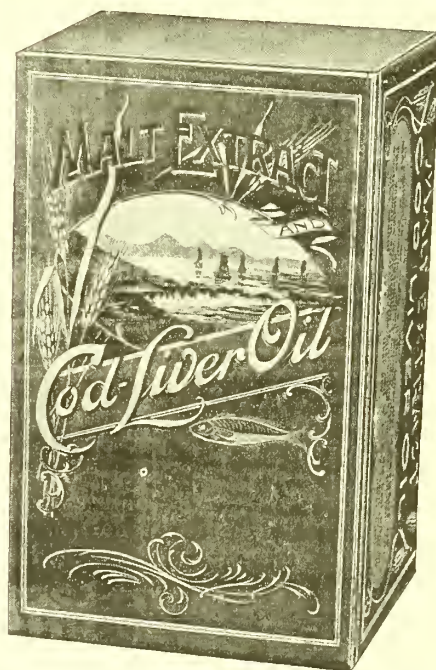
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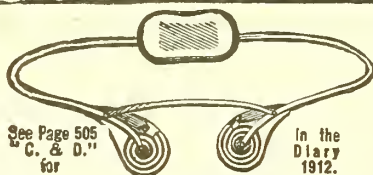
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C. & D.  
for

In the  
Diary  
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Aqua Amygd. Amar. Conc. (U.S.)	4/- per lb.	Aqua Cassia Conc. ...	4/- per lb.	Aqua Mentb. Virid. Conc. ...	4/- per lb.
" Anethi, Concent. ...	4/- "	" Flor Aurant. ...	8/6 "	" Pimentæ ...	4/- "
" Anisi ...	4/- "	" Sambuci Conc. ...	8/6 "	" Pulegii ...	4/- "
" Camphoræ ...	4/- "	" Fœniculi Conc. ...	4/- "	" Rosemarini ...	4/- "
" Carui ...	4/- "	" Menth. Pip. Conc. ...	4/- "	" Rosæ ...	8/6 "
" Cinnam. Ver. Conc. ...	6/- "	" Ang. Conc. ...	6/- "	" Virgin ...	10/6 "

The above may be had in ½-lb., ¾-lb., or 1-lb. Bottles and upwards, through most of the Wholesale Drug Houses.  
Each Bottle has the inventor's Protection Label over the Cork, without which none are genuine.

**PURE ORANGE WINE**

(VINUM AURANTII, B.P. 1898).

Samples of any of the above, sent free on application.



# EMETINE HYDROCHLORID. (Whiffen's).

# EMETINE HYDROBROMID. (Whiffen's).

For Hypodermic Injection.

The New Remedy in Amœbic disease.—Vide *British Medical Journal*, Aug. 24, 1912, pp. 405-408.

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Telephone—254 and 255 BATTERSEA.

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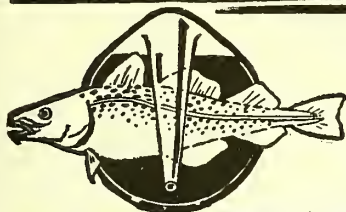
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Continues to be prepared with scrupulous care, in the greatest chemical purity, by  
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And is sold in Bottles, authenticated by a Government Stamp bearing their name. Trade Mark, "Henry's Calcined Magnesia."

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## The Waterbury Metabolized Cod Liver Oil Compound, (Tasteless and Odourless) With CREOSOTE and GUAIACOL or PLAIN.

SOLD BY ALL WHOLESALE HOUSES.

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Catheters and Bongies, in Black or Brown Gum and Finest Silk Web. Specula, Rectal and Oesophageal Instruments.  
Horse Catheters and Cattle Probangs. Wholesale and Export only. Price List from the Manufacturers.

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Prices and Terms on application to R. BARKER & SON,  
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POISON.

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Headquarters for all European Pharmaceutical **Crude**  
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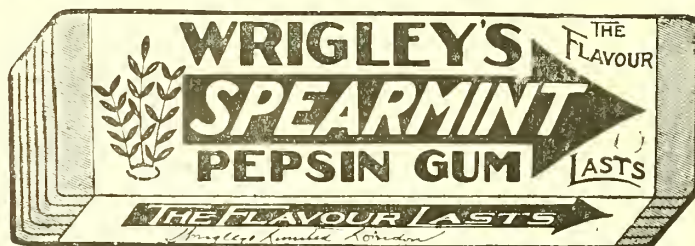
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The Only Largely  
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**1/1½**  
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Protected Price:  
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The New Remedy for Gout,  
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SPECIAL INDUCEMENT TO CHEMISTS TO DISPLAY A SMALL SHOWCARD.



# PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this Paper on Terms as below.

**A**ct. Scilla, P.B., 7 lbs. @ 3d. lb.  
 Acid. Acetylo-Salicyl., 56 lbs. @ 2/4 lb.;  
 7 lbs. @ 2/7 lb.; 1 lb. @ 2/9 lb.  
 Citric xts., B.P., '85, 1 cwt @ 1/5 lb.;  
 7 lb. in Bags @ 1/6 lb.; powder 1/4 d. lb.  
 extra "  
 Diethylbarbituric, 16 oz. @ 23/6 lb. 1 oz.  
 @ 1/10 oz.  
 Tart., cryst. or pulv., B.P., 1885, 1 cwt. @  
 1/11 lb.; 7 lbs. @ 1/2 lb.; parv. 1/4 d. lb.  
 extra.  
 Adeps Benz., B.P., 28 lbs. @ 8 1/2 d. lb.; 7 lbs.  
 @ 9 1/2 d. lb.  
 Ammon. Brom., P.B., 1 cwt. @ 2/1 lb.; 7 lbs.  
 @ 2/2 1/2 lb.  
**B**ismuth, P.B., Carb., 7 lbs. @ 8/10 lb.; 3 lbs.  
 @ 9/1 lb.; 1 lb. @ 9/3 lb.; subnit. 1/- lb.  
 less.  
**C**amphor, English Flowers, "not artificial,"  
 5 lbs. @ 2/- lb.; 1 1/4 or 1/2 oz. 7 lbs. @ 2/- lb.  
 Cetaceum, No. 1, fine white English, 64 lbs. @  
 1/1 1/2 lb.; 7 lbs. @ 1/3 lb.; powder, 7 lbs. @  
 1/9 lb.  
 Cocaine Hydrochlor., B.P. 25 ozs. @ 6/3 oz.;  
 4 ozs. @ 6/9 oz.; 1 oz. @ 7/9 oz.  
 Cream Tartar, 98% powder, 1 cwt. @ 90/- cwt.;  
 7 lbs. @ 11d. lb.  
**D**isinfectant Fluid, soluble, 45 galls @ 1/- gall;  
 5 galls @ 1/4 gall. 1 gall. @ 1/8 gall.  
**E**ss. Limonis (oil) original coppers, 12 lbs. @  
 6/6 lb.; 6 lb. @ 7/- lb.; not guaran-  
 teed absolutely pure.  
**H**oney, Pale Set, Jamaica, 3 1/2 cwt. @ 36/-  
 cwt.; 28 lbs. @ 50/- cwt.; Californian  
 1 cwt. @ 52/6 cwt.; 7 lbs. @ 7 1/2 d. lb.

**M**yrh, Gum, English Ground, 28 lbs. @ 11d.  
 lb.; 7 lbs. @ 1/1 lb.

**O**l. Cocoa Nuclei, finest White, 80 lbs. @ 55/-  
 cwt.; 40 lbs. @ 57/6 cwt.  
 Ol. Eucalypt., B.P., 1 cwt. @ 1/6 1/2 lb.; 28 lbs. @  
 1/6 1/2 lb.; 9 lbs. @ 1/7 1/2 lb.  
 Ol. Geranii Gall. Opt., 1 lb. @ 27/- lb.; 8 1-oz.  
 bots. @ 2/1 oz.; 1 oz. @ 2/3 oz.; Turc.,  
 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.  
 Ol. Juniperi Bacc., B.P., 4 1/2 lb. @ 3/6 lb.; 1 lb.  
 @ 3/10 lb.; Ligne Exot., 1 cwt. @ 1/2 lb.;  
 28 lbs. @ 1/4 lb.; 9 lbs. @ 1/5 lb.  
 Ol. Lavand. ab Flor., 5 lbs. @ 12/- lb.; 1 lb. @  
 12/6 lb.  
 Ol. Ment. Pip. English, 5 lbs. @ 32/- lb.; 1 lb.  
 @ 33/6 lb.; Hotchkiss original bots., 21 oz.  
 each @ 16/6 lb.; 6 bots. @ 16/1 lb.; 18  
 bots. @ 15/5 lb.; American, 20 lbs. @ 12/3  
 lb.; 4 1/2 lbs. @ 13/3 lb.; 1 lb. @ 13/9 lb.  
 Ol. Morrhuæ, Nov. 1912, finest non-freezing, 25  
 gall. tin-lined barrels @ 72/- per barrel;  
 2-gall. tins @ 4/- per gall.  
 Ol. Myristicæ, 7 lbs. @ 2/10 lb.; 1 lb. @ 3/2 lb.  
 Ol. Nucis Pallid. 45 galls. @ 3/8 gall.; 2 gall.  
 tins @ 4/6 per gall.  
 Ol. Olivæ P.B., good yellow, guaranteed pure,  
 45 gall. Barrels @ 4/10 gall.; 2 gall. tins @  
 5/6 gall.; fine cream, 9 lb. tins @ 7/2 each.  
 Ol. Santal Flav. Ang. B.P., 5 lbs. @ 12/3;  
 1 lb. @ 12/10 lb.

**P**ix. Burgund. Druggists', 1 1/2 cwt. @ 25/6 cwt.;  
 7 lbs. @ 4 1/2 d. lb.  
 Potass. Iod. P.B., 1 cwt. @ 10/- lb.; 14 lbs. @  
 10/1 lb.; 3 lbs. @ 10/2 lb.

\*Tinct. Digitalis, B.P., 5 lbs. @ 2/8 lb.; bond,  
 6 1/2 d. lb.  
 \*Tinct. Gelsem. B.P., 5 lbs. @ 2/10 lb.; bond,  
 6 1/2 d. lb.  
 \*Tinct. Gentianæ Comp., B.P., 5 lbs. @ 1/11 1/2 lb.;  
 bond, 6 1/2 d. lb.  
 \*Tinct. Hyoscyami, B.P., 5 lbs. @ 2/5 lb.;  
 bond, 7 1/2 d. lb.  
 \*Tinct. Iodi, B.P., 5 lbs. @ 4/2 lb.; bond, 1/6  
 lb.; decolor. 5 lbs. @ 4/6 lb.; bond, 1/3 1/2  
 lb.; Lavandulæ Comp., B.P., 5 lbs. @ 3/10  
 lb.; bond, 7 1/2 d. lb.  
 \*Tinct. Myrrhæ, B.P., 5 lbs. @ 3/9 lb.; bond,  
 9 1/2 d. lb.  
 \*Tinct. Nucis Vom., B.P., 5 lbs. @ 2/10 lb.;  
 bond, 6d. lb.  
 \*Tinct. Opii, B.P., 5 lbs. @ 3/8 lb.  
 \*Tinct. Opii Aquos., 5 lbs. @ 2/6 lb.  
 \*Tinct. Quinæ Amm., B.P., 5 lbs. @ 2/6 lb.;  
 bond, 11d. lb.  
 \*Tinct. Rhei Co., B.P., 5 lbs. @ 2/6 lb.; bond,  
 9d. lb.  
 \*Tinct. Scillæ, B.P., 5 lbs. @ 2/6 lb.; bond, 7 1/2 d. lb.  
 \*Tinct. Senegæ, P.B., 5 lbs. @ 3/1 lb.; bond,  
 1 1/3 1/2 lb.  
 \*Tinct. Strophanth., P.B., 5 lbs. @ 3/5 lb.;  
 bond, 8 1/2 d. lb.  
 \*Tinct. Valerianæ, 5 lbs. @ 2/8 lb.; bond, 6d. lb.  
 \*Tinct. Valerianæ Ammon., P.B., 5 lbs. @ 3/1 lb.;  
 bond, 8 1/2 d. lb.  
 \*Tinct. Zingib., P.B., 5 lbs. @ 4/- lb.; bond,  
 6 1/2 d. lb.  
 \*Tinct. Zingib. Fortior, 5 lbs. @ 4/3 lb.; bond,  
 10 1/2 d. lb.

## COCAINE. COD LIVER OIL. OINTMENTS.

**I**chthyl Ammon., 3 lbs. @ 10/9 lb.; 1 lb. @  
 11/- lb.; chemical equivalent; Ammon.  
 Ichthosulphonas B.P. Cod. x, 7 lbs. @ 5/-  
 lb.; 1 lb. @ 5/6 lb.  
 \*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/3 lb.  
 " Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.  
 " Buchu Conc., 1 to 7, 6 lbs. @ 2/- lb.  
 " Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.  
 " Caryoph. Conc., 1 to 7, 6 lbs. @ 11d. lb.  
 " Cascarella Conc., 1 to 7, 6 lbs. @ 1/2 lb.  
 " Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.  
 " Gentianæ Co., 1 to 7, 6 lbs. @ 1/- lb.  
 " Quassia Conc., 1 to 7, 6 lbs. @ 9d. lb.  
 " Rhei Conc., 1 to 7, 6 lbs. @ 1/5 lb.  
 " Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.  
 " Senegæ Conc., 1 to 7, 6 lbs. @ 2/2 lb.  
 " Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.  
 Insect Powder, Opt. English grd., closed flowers,  
 28 lbs. @ 1/10 lb.; 7 lbs. @ 1/11 lb.; Eng-  
 lish Ground, 1/2 closed flowers, 4d. lb. less;  
 Foreign Ground, 1 cwt. @ 80/- cwt.; 28  
 lbs. @ 9d. lb.  
 Iodoform Pulv. B.P., 7 lbs. @ 14/2 lb.; 3 lbs. @  
 14/6 lb.; 1 lb. @ 14/9 lb. [12/9 lb.]  
 Iodum, resub. B.P., 7 lbs. @ 12/3 lb.; 1 lb. @  
 1/5 lb.  
 \*Lin. Aconiti Meth., 5 lbs. @ 1/2 lb.; 1 lb. @  
 1/5 lb. [1/8 lb.]  
 \*Lin. Bellad. Meth., 5 lbs. @ 1/5 lb.; 1 lb. @  
 1/8 lb.  
 Lin. Camph. P.B., 40 lbs. @ 10d. lb.; 9 lbs. @  
 11d. lb.  
 Lin. Sapo Meth., 9 lbs. @ 7d. lb.  
 Lin. Tereb. Acet., B.P., 5 lbs. @ 1/- lb.  
 Linseed c. Oil. Crushed, 3 cwt. @ 23/- cwt.;  
 1 cwt. @ 24/- cwt.

**R**ad. Jalap, English Ground, 28 lbs. @ 1/10 lb.;  
 7 lbs. @ 1/11 lb.  
**S**accharine, .550 or .500, 7 lbs. @ 26/- lb.; 1 lb.  
 @ 27/6 lb.; .330 7 lbs. @ 24/- lb.; 1 lb. @  
 25/6 lb.  
 Soda Salicyl Pulv., 7 lbs. @ 1/6 lb.; phys. pur.;  
 28 lbs. @ 2/3 lb.; 1 lb. @ 2/6 lb.  
 Sodii Bromid. P.B., 1 cwt. @ 1/11 1/2 lb.; 7 lbs. @  
 2/1 1/2 lb.  
 Strontia Bromid., 1 cwt. @ 1/8 1/2 lb.; 7 lbs. @  
 1/11 lb.; 1 lb. @ 2/2 lb.  
 Sulphonal, P.B., 1 lb. @ 10/4 lb.

**T**inct. Aurantii Recens, B.P., 5 lbs. @ 3/6 lb.;  
 bond, 8 1/2 d. lb.  
 \*Tinct. Belladon., B.P., 5 lbs. @ 2/11 lb.;  
 bond, 6 1/2 d. lb.  
 \*Tinct. Benzoini Comp., P.B., 5 lbs. @ 3/5 lb.;  
 bond, 8 1/2 d. lb.  
 \*Tinct. Camph. Comp. P.B., 5 lbs. @ 2/5 lb.;  
 bond, 6 1/2 d. lb.  
 \*Tinct. Cantharidis, P.B., 5 lbs. @ 3/9 lb.;  
 bond, 6d. lb.  
 \*Tinct. Capsici, B.P., 5 lbs. @ 3/3 lb.; bond,  
 6d. lb.  
 \*Tinct. Card. Comp., P.B., 5 lbs. @ 2/6 lb.;  
 bond, 6 1/2 d. lb.  
 \*Tinct. Catechu, P.B., 5 lbs. @ 2/8 lb.; bond,  
 7 1/2 d. lb.  
 \*Tinct. Chlorof. c. Morph., B.P., 1885, 5 lbs. @  
 2/- lb.; bond, 1/6 1/2 lb.  
 \*Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/5 lb.;  
 bond, 1/0 1/2 lb.  
 \*Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/- lb.;  
 bond, 10d. lb.

Treacle (Black), Casks about 5 1/2 gross @ 42/- per  
 Cask; 24 lbs. @ 2d. lb.  
 Turpentine (Best American), 1 gal. tins @ 3/3  
 each.

**U**ng. Acid. Boric, P.B., 28 lbs. @ 6d. lb.; 1 lb.  
 28 lbs. @ 4 1/2 d. lb.  
 " Acid Carb. B.P., 28 lbs. @ 8d. lb.; 7 lbs.  
 @ 9d. lb.; 1 lb. @ 11d. lb.  
 " Gallæ, P.B., 7 lbs. @ 1/- lb.; 1 lb. @ 1/2  
 lb.; c. Opio, 7 lbs. @ 2/10 lb.  
 " Hydrargyri, B.P., 28 lbs. @ 1/10 lb.; 7 lbs.  
 @ 2/- lb.  
 " Hydrarg. Ammon. B.P., 28 lbs. @ 11d. lb.;  
 7 lbs. @ 1/2 lb.  
 " Hyd. Nit. Dil. 7 lbs. @ 10d. lb.  
 " Paraff. Alb., P.B., 28 lbs. @ 7d. lb.; 7 lbs.  
 @ 8d. lb.; 1 lb. @ 10d. lb.; Flav. 28 lbs.  
 @ 5d. lb.; 7 lbs. @ 6 1/2 d. lb.  
 " Resinæ, P.B., 28 lbs. @ 10d. lb.; 7 lbs. @  
 11d. lb.  
 " Sulphuris, B.P., 28 lbs. @ 7 1/2 d. lb.; 7 lbs.  
 @ 8 1/2 d. lb.  
 " Zinci Oxid. Benz. B.P., 28 lbs. @ 8d. lb.

**Z**inci Oleat Powder B.P.C., 7 lbs. @ 2/- lb.  
 Zinci Oxid., Whitest and Lightest, B.P.,  
 1 cwt. @ 38/- cwt. 28 lb. @ 5d. lb.;  
 7 lbs. @ 6d. lb.  
 Zinci Sulph., pure, 1 cwt. @ 16/- cwt.; 28 lbs.  
 @ 2 1/2 d. lb.  
 " Zinophocarbolas, B.P., 7 lbs. @ 11d. lb.;  
 1 lb. @ 1/1 lb.

\*Minimum quantity at these prices: Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

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**HAIR REMOVER**  
(MIXED READY FOR USE)

PREPARED FROM A FORMULA THAT HAS A WORLD-WIDE REPUTATION, THIS PREPARATION MAY BE RELIED UPON TO REMOVE ALL SUPERFLUOUS HAIRS AT THE FIRST APPLICATION, WITHOUT PAIN OR INJURY TO THE SKIN.

You simply apply the depilatory and then remove the dissolved hair.

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PRICE **6/-** PER DOZEN  
Name on 3 dozen free of charge  
SHOWCARDS FREE

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Wholesale Druggists, LIVERPOOL.

**COMPLEXION WAX**

Various Theatrical people, noted for the exceeding FRESHNESS & BEAUTY of their Complexions, have recommended the use of Complexion Wax.

**10 1/2d**  **10 1/2d**

price **5/6** per DOZEN

Name & address on 3 dozen free of charge  
**CARRIAGE PAID**

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WHOLESALE DRUGGISTS, LIVERPOOL.

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**HAIR PRESCRIPTION**  
CONTAINING  
Menthol, Bay Rum, Jaborandi, etc.  
IS A POWERFUL  
Hair Tonic and Stimulant

**1 1/3**

PRICE **7/6** PER DOZEN  
Name on 3 dozen free of charge  
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**BISMUTHATED MAGNESIA**  
A VALUABLE ANT-ACID

Given with the greatest possible success in cases of  
FLATULENCE, HEARTBURN, HEAVINESS after EATING  
PAIN between the SHOULDERS, ACIDITY,  
BILIOUS HEADACHE & the VARIOUS other FORMS  
of INDIGESTION

**1 1/3**

price per **7/6** doz

NAME & ADDRESS on 3 doz FREE OF CHARGE  
SHOWCARDS FREE

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Wholesale Druggists, Liverpool

SET OF FOUR, POST FREE, FOR 2/6.



# THERE ARE NONE QUITE SO GOOD AS SMITHS' PLEATED BOTTLE CAPS

ever INCREASING SALES and NUMEROUS  
TESTIMONIALS are PROOF-POSITIVE that they are  
**BEST and CHEAPEST.**



**NO WASTE—EVERY CAP CAN BE USED.**

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Nos. 0, 1, 2, 3, 3B, 10, 20, 30 for Phials ...	4d. per gross.	Nos. 6, 6B, 60 for pints ...	6d. per gross.
„ 4, 4B, 40 for 3 to 6 oz. Bottles ...	5d. „	„ 39 for Winchester Quarts ...	8d. „
„ 5, 5B, 5½, 50 for 8 to 10 oz. Bottles	5½d. „	„ 8 Long for Wines ...	10d. „

Stamping in Relief Names, &c., 3d. per gross extra.

Elastic Bands, small, 3d.; large, 4d. per gross.

**SYPHON CAPS.**

**BEER BOTTLE CAPS.**

Can be obtained of all Sundriesmen or direct from the Manufacturers:

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WHOLESALESAERS AND EXPORTERS DO WELL TO SEND US THEIR INQUIRIES.

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MINIMUM Prices, MAXIMUM Value.



**STIPENDUM CORK STOPPERS**

in sizes suitable for  
KALIS, CITRATES,  
DISPENSING, and all  
FLUIDS.

**STIPENDUM  
COVERED POTS**

THE BEST FOR FACE AND TOOTH POWDERS,  
PASTES, AND OINTMENTS.  
**GREASE PROOF.**

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NO WRAPPING. NO TROUBLE.

THE MOST PERFECT SELF-LOCKING POSTAL BOX EVER INVENTED.  
You cannot do without it. Write at once for Price and Samples.



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We always carry a large stock of  
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ASK FOR SAMPLES  
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"First Class Boxes at  
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# "MASTER" ANTI-RHEUMATIC RINGS.

**PROFITABLE SIDE LINE FOR CHEMISTS**

**NO LICENCE IS REQUIRED FOR THE SALE OF THESE RINGS.**

May be worn on  
any finger.



No. 1501.  
Ordinary width.



No. 1502.  
Belcher shape.



No. 1503.  
Chased.

Retain their power  
for any length of  
time.

	Covered in Rolled Gold.		9-carat Gold, stamped.		15-carat Gold, stamped.	
	Retail Price.	Trade Price.	Retail Price.	Trade Price.	Retail Price.	Trade Price.
	Each.	Each.	Each.	Each.	Each.	Each.
No. 1501 ...	s. d. 4 6	s. d. 2 3	s. d. 7 6	s. d. 3 9	s. d. 15 0	s. d. 7 6
1502 ...	7 6	3 9	10 6	5 3	18 6	9 3
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5 per cent. discount allowed for prompt cash off above prices.

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**1 dozen rings No. 1501 covered in rolled gold to retail at 4/6 each; on a handsome plush-covered show stand for 21/- net cash.**

Booklets with full descriptive matter, also regulation size measurement cards, supplied gratis.

Carriage paid on orders of £2 and upwards.

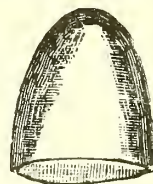
We are the right House for Catheters, Enemas, Elastic Hosiery, Hot Water Bottles, Injection Syringes, Pessaries, Sponge Bags, Trusses, Water Beds, Water and Air Cushions, Waterproof Sheeting, and every description of India Rubber Goods.

ILLUSTRATED CATALOGUE, POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.


**BURGE, WARREN & RIDGLEY, LTD.,**  
91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

# RENDELL'S

## SOLUBLE QUININE PESSARIES.



THE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. Rendell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious compounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries from these fraudulent concoctions, see that the Registered Trade Mark and Number, in **RED INK**, are upon each box thus:

Registered  
Trade Mark,   
without which  
none are genuine.  
No. 182,688.

*W. J. Rendell*  
No. 182,688.

Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

## IMPORTANT NOTICE AND CAUTION.

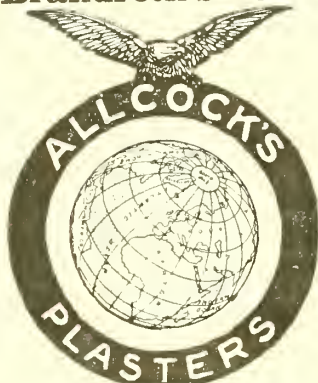
Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of "W. J. RENDELL," "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

**W. J. RENDELL,**  
INVENTOR AND SOLE MAKER,  
15 CHADWELL STREET, CLERKENWELL, LONDON, E.C.

The Original and only Genuine

**Allcock's****POROUS PLASTERS**

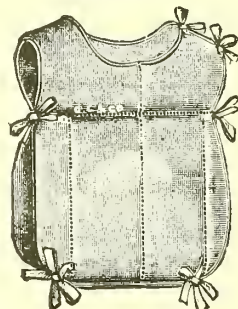
A REMEDY OF 60 YEARS' STANDING.

**Allcock's Plasters  
Allcock's Corn and  
Bunion Plasters  
Brandreth's Pills***The  
Three  
Reliables.*A HANDSOME  
SHOWCARD  
will be sent  
free of cost  
and post paid  
on application.**ALLCOCK  
MANUFACTURING  
COMPANY**22 Hamilton Sq.,  
Birkenhead.

"Sold all round the World."

**Zudor Jackets**

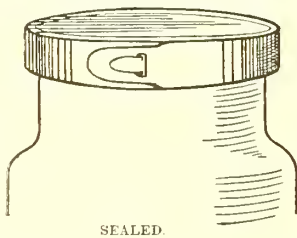
(PATENT)

Recommended  
for  
CHEST  
AND  
LUNG  
AFFECTIONS.For  
PNEUMONIA,  
BRONCHITIS,  
AND  
ASTHMA.**Now the Cold Weather has  
come, Zudors should form part  
of every Chemist's stock.**

Size	1	2	3	4	5	6
Per doz.	6/-	7/6	9/-	10/6	12/-	15/-

WRITE FOR FULL PRICE LIST  
:: OF DRUGGIST SUNDRIES. ::**CUXSON, GERRARD & CO., Ltd.  
OLDBURY.**

Telegraphic Address: "Advertence Ave London." Telephone: Lon. Wall 2994

**The AIRTIGHT CAPSULES CO. Ltd.**Suppliers of PHOENIX, AUTOMATIC, SCREW CAPS, &c.  
PHOENIX HERMETICAL CLOSURE.The ideal and only  
absolutely Hermeti-  
cally Sealed Cap for  
all classes of Glass  
Packages as used  
by all Manufactur-  
ing Chemists.

SEALED.

The following firms, amongst others, have adopted the  
Phoenix system, in conjunction with the Firtree disc,  
with unqualified success.

Trade Mark.

Fulllest information with quotations on application.  
Offices and Showrooms } **317, 318, 319 DASHWOOD HOUSE,  
NEW BROAD ST., LONDON, E.C.****Messrs. THE BRITISH DIA MALT CO.  
Messrs. GOODALL, BACKHOUSE & Co.  
Messrs. CALDERS YEAST CO., LTD.  
Messrs. VIROL, LTD.  
Messrs. HARKNESS, BEAUMONT & CO.**This Firtree disc is used in conjunction  
with Phoenix and Screw Caps for Malt  
Extracts, &c., and is supplied under  
registered Trade Mark, and is guaran-  
teed pure for use with Food-stuffs  
according to the Act.**BOTTLES :****:: YORKSHIRE MAKE. ::**DISPENSING as illustrated. Plain  
or Graduated

1½ & 2 oz.	3 & 4 oz.	6 & 8 oz.	10 oz.	12 oz.
6/9	7/-	8/-	12/-	13/6
16 oz.	20 oz.			
18/-	19/6	per gross.		

**GREEN PANELLED (three sides)**  
1/- per gross extra to above prices.**GREEN PANELLED HEAVY**  
(for Cough Mixtures)  
2½ oz. 7/6; 5 oz. 9/- per gross.**POISON. Oval Ribbed, Pale Green (for Ammonia)**

3 & 4 oz.	6 & 8 oz.	10 oz.	12 oz.	16 oz.	20 oz.
9/-	10/-	13/-	14/6	18/6	21/-

 per gross.
**TERMS: NET CASH 7 DAYS. CRATES 1/- EACH.**Carriage paid up to 100 miles ex. Leeds (small extra charge  
beyond that distance).**THOMAS SWALES,  
24 BUTTS COURT, LEEDS.**



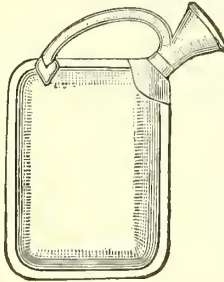
# REDUCED PRICES.

## INDIA RUBBER HOT WATER BAGS.

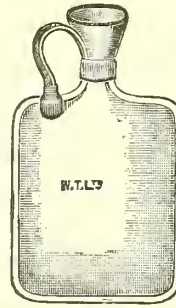
:: Guaranteed of Best English Manufacture. ::



457.



458.



1474.

**Toogood's Special Quality, Figs. 457 or 1474—**

8 x 6	10 x 6	10 x 7	10 x 8	12 x 6	12 x 7	12 x 8	12 x 10	14 x 7	14 x 8	14 x 10	14 x 12	16 x 10
3/1	3/5	3/10	4/-	3/10	4/4	4/7	5/3	5/-	5/2	5/9	7/-	7/- each.

**Warne's Extra Super Quality, Fig. 457 or Burbridge's Patent, Fig. 458—**

8 x 6	10 x 6	10 x 7	10 x 8	12 x 6	12 x 7	12 x 8	12 x 10	14 x 7	14 x 8	14 x 10	14 x 12	16 x 10
3/4	4/2	4/3	4/10	4/3	5/-	5/6	6/1	5/6	6/1	7/-	8/6	7/9 9/- each.

On Toogood's Special, in 1-dozen lots assorted, and upwards, an extra 5% is allowed.  
On Warne's Super " " " " " " 2 1/2% " " " "

**WILLIAM TOOGOOD, LIMITED, 77 Southwark Street, London, S.E.**

## LESLIES, L<sup>TD</sup>.

Manufacturers of Plasters of every description for Home or Export.

### SURGICAL PLASTERS

Holland Strapping, all widths,  
Rubber Adhesive Plaster on Spools

" Zinc Oxide " " "

### MEDICAL PLASTERS

Lead or Rubber Base.

Plain or Porous.

Mustard Leaves. Court Plasters.

Sole Agents in Great Britain & Colonies for  
Geneva Crepe Bandages.

TWO QUALITIES. 11 different widths.

**LESLIES, LTD.,**

18 Eldon Street, LONDON, E.C.

## BAILEY'S HOT WATER BOTTLES.

VERY BEST RUBBER AT LOWEST PRICES.



Fig. 1.

Sizes.	Fig 1 or Fig. 2 s. d.
10 x 6 ...	3 8
12 x 6 ...	4 0
10 x 8 ...	4 6
12 x 8 ...	5 0
14 x 8 ...	5 6
12 x 10 ...	5 9
14 x 10 ...	6 9
16 x 10 ...	7 3



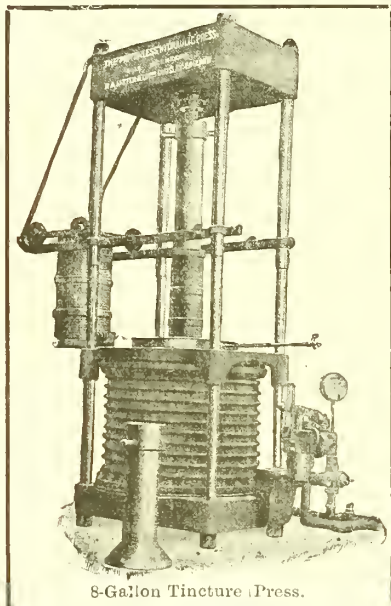
Fig. 2.

**W. H. BAILEY & SON,**

38 OXFORD STREET, LONDON, W.

THE

# PISTONLESS HYDRAULIC PRESS



8-Gallon Tincture Press.

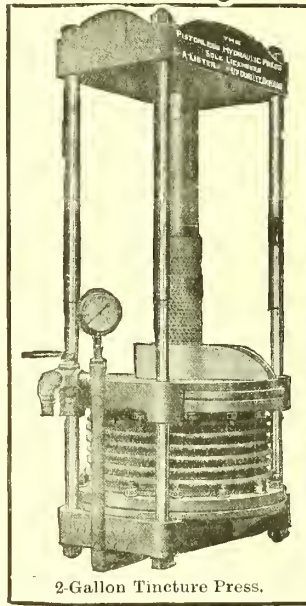
FOR EXTRACTING ESSENCES, &c.,  
BY A METHOD FAR CHEAPER  
THAN DISTILLATION.

**THIS PRESS WORKS  
DIRECT FROM THE  
WATER MAIN.**

Requires No Pumps; No  
special foundations.  
No Ram, Glands, or  
Cup Leathers.

*Cheap to Buy. Cheap to Run.  
Cheap to Maintain.  
Economy with Efficiency.*

Recommended for recovering Spirits from spent marcs.



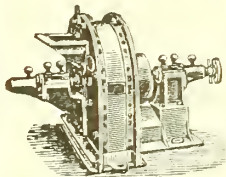
2-Gallon Tincture Press.

**R. A. LISTER & CO., LTD. (PRESS DEPT.), DURSLEY, GLOS.**

## GRINDERS

*For All Purposes.*

Write for Lists.



**THE HARDY  
PATENT PICK CO. Ltd.**  
SHEFFIELD, ENG.

**H. E. KERSHAW, Ltd.**

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IMPORTERS OF

## SHELLAC

Of all kinds.

Manufacturers of

## WHITE SHELLAC

## SARGOL

The widely advertised remedy  
that makes thin people plump.

**Popular and Attractive.**



STEADILY ADVERTISED.

STEADILY IN DEMAND.

More Customers and extra  
profits if you stock Sargol.

4/6 size	...	...	...	...	43/-	per doz.
2/6 size	...	...	...	...	24/-	per doz.

Beautiful showcards and booklets sent free on  
request. Write to-day for a supply—they will  
give your shop a good up-to-date appearance.

**THE SARGOL CO., 124 HOLBORN,  
LONDON, E.C.**



**USE BEST BOTTLES ONLY.**

**WILL YOU PLEASE TRY OURS.**

**PLEASE NOTICE.** All orders given this month will be executed at following low prices—

**Clear Blue Tinted, plain or graduated. Round Edges.**  
3 & 4 6 & 8 12 16 ounce.  
7/- 8/- 12/- 14/- per gross.

**PANEL BOTTLES 1/- per gross extra.**  
**FIRST QUALITY. Quinine Tinted. Round Edges.**  
3 & 4 6 & 8 12 16 ounce.  
10/- 11/- 18/- 20/- per gross.

**WHITE PHIALS—GOOD QUALITY.**  
3/6 4/- 1 1/2 2 ounce. } Plain or  
4/6 5/6 per gross } Teaspoons  
**The New Shape OVAL FRONTED BOTTLES.**  
6 oz. size 8/6 per gross.

**I. ISAACS & CO.,**

106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.  
Carriage paid to certain stations. Particulars on application.  
Established 120 years. Bankers:—London, County & Westminster Bank.

Wholesale **ALL BRITISH** Only.

**+ CRÊPE BANDAGES. +**

In various widths and qualities. Send for Samples, with Prices, and compare with any foreign production, to The Norwich Crepe Co. (1856), Ltd., St. Augustines, Norwich, who are acknowledged to be the only manufacturers in Great Britain.

**INDEX and BUYERS' GUIDE**

See pages 5 to 9.

**THE ORIGINAL LIQUID SEED DRESSING.**

**CORVUSINE D.G.**

NOTHING LIKE IT.

NOTHING TO EQUAL IT.

REFUSE USELESS IMITATIONS.

Trade Terms—

ARTHUR E. HAWKER, 59 Mark Lane, London, E.C.

**"JUGGLER"**

BLACK FOR LEATHER



FOR DYEING TAN BOOTS  
SHOES SLIPPERS BELTS  
HARNESS ETC.  
A FINE RICH BLACK

MANUFACTURERS  
**WHITAKER & CO. COLOUR WORKS KENDAL,**  
ESTABLISHED 1878. (England.)  
LONDON DEPOT, 8, MILK ST. LONDON, E.C.

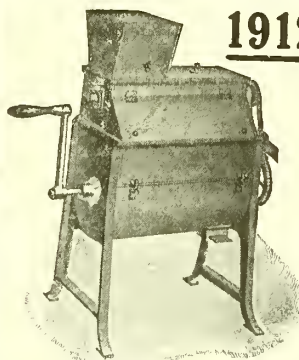
(Reproduction of our Attractive Showcard.)

**EASILY APPLIED. DRIES AT ONCE.**  
**ONE APPLICATION. DOES NOT RUB. WATERPROOF.**

Articles done with this black may be polished and worn 15 minutes after application. In bottles 6d. each, in separate neat carton with suitable brush.

**WRITE FOR TERMS AND PARTICULARS.**

**WE ARE HELPING YOU WITH GOOD ADVERTISING**



**1912 Mixing, Grinding & Sifting Machines.**

**60 SIZES & PATTERNS.**  
Hand or Power.

Made by Chemists for the Chemical Trade.

Send for List.

**Comet Chemical Company, Ltd.**

36 Victoria Buildings,  
**MANCHESTER.**

**THE NEW 'ADAPTABLE' HOT WATER BOTTLE.**

(REGISTERED DESIGN)



Suitable for many purposes for which the old-fashioned shape is useless.

For **BED-WARMERS.**  
For **CARRIAGES.**  
For **MOTOR CARS.**  
For **INVALIDS, &c.**

Customers can have their names, &c., printed on reverse side.

**LOW PRICES. BIG DISCOUNT.**  
Sole Manufacturers:—

**The Fulham Pottery & Chevin Filter Co., Ltd. FULHAM LONDON, S.W.**

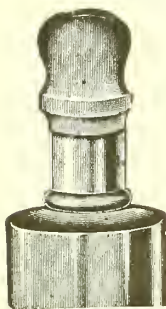
AIR-TIGHT &amp; SELF-FIXING CAPSULES.

**'SEMREH'  
BOTTLE CAPS.**

FIT ALL BOTTLES.

The necessity of purchasing specially shaped hottles or bottles with specially shaped necks does **not** arise when you use 'Semreh' Bottle Caps. Consider the convenience and saving in using Caps which fit perfectly the hottles and stoppers you have in stock!

FULLY DESCRIPTIVE BOOKLET FREE  
THE VISCOSE DEVELOPMENT CO., LTD.,  
Pembroke Road, BROMLEY, KENT.

**IMPORTANT NOTICE!****"The Loncol"**

PATENT ADJUSTABLE SHOWSTAND

PULLS

**Business to your Establishment.**

Very **small** outlay  
large profits accruing.

Particulars can be obtained of—

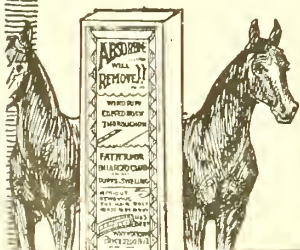
**THE LONDON & COLONIAL MFG. CO.,**  
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LONDON, E.C.

**LAST WEEK!**

of our special 'Absorbine' agency offer. It will simply cost you a card to write for particulars, and we think we can convince you that **SELDOM IS 2/- A PIECE NET PROFIT EARNED** on lines so well advertised as Absorbine

and you entail little expenditure and no risk.

Thos. CHRISTY & Co.,  
4-12 Old Swan Lane,  
E.C.

**ABSORBINE****RATS RELISH RODINE**

Mr. STEWART, Chemist, Kingsbridge, writes:—"A farmer picked up bucketsful of dead rats after using 'Rodine'."

Mr. SPENCER PALMER, Chemist, Thornbury, writes:—"With a 1/- tin of 'Rodine' Miss Ogburn killed 100 rats in one night."

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**105 RATS  
FOR 6D.****RODINE RAT POISON**

exterminates swarms completely, puts a dead stop to the destruction wrought by rats. Wherever used it tells its own deadly tale. Shippers and Chemists everywhere will find it a most profitable side-line as it yields nearly 100% Protected Profit. Write at once for particulars of the agency to—

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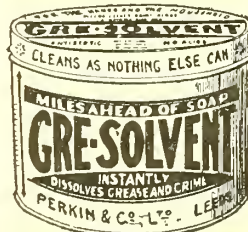
**RODINE ROUTS RATS****CHLORIDE  
OF LIME**

In Packets,  $\frac{1}{2}$  lb.,  $\frac{1}{4}$  lb., and 1 lb.; also in Tins,  $\frac{1}{2}$  lb., and upwards.



**THE UNITED ALKALI CO.**  
LIMITED,

TRADE MARK. Greenbank Works, ST. HELENS, LANCs.

**GRE-SOLVENT**  
(GREASE SOLVENT).

The Premier Hand Soap  
and Housewife's Helper,

**HANDSOME TINS  
LARGE SIZES  
LOW PRICES**

**GOOD PROFITS**

Perkin & Co., Ltd., Gresol Works, Leeds.



By Royal Warrant to  
H.M. The King.



By Royal Warrant to  
H.M. The King.

Only  
ONE  
Address.

**DAY & SONS,** ESTABLISHED 1840.  
**CREWE. LTD. (CREWE)**  
HORSE, CATTLE, SHEEP & DOG MEDICINES.

Only  
ONE  
Address.

**LARGEST SALE IN THE WORLD.**



### DAYS' BLACK DRINK

Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep, Debility, Chills, and Low Condition in all Stock.

Price 1/8 per bottle.

### DAYS' HUSKOLEIN.

Almost infallible for Tape Worms in Lambs and other Animals; for Husk or Hoose in Calves, Lambs, &c. A speciality for Worms in Horses and Colts.

6/6 per bottle.

### DAYS' "ZOMO-SAL."

For Blood Disorders, Humours, General Weakness, Surfeits, Indigestion, Sterility, &c., in Horses and Beasts. Promotes Growth of Bone. Makes animals "fit" for Show or Sale.

In Canisters at 7/6, 20/-, and 40/-

### DAYS' RED DRINK

OR COW DRENCH.

For Costiveness, Loss of Cud, Indigestion, Garget, Colds, Fever, Hidebound, &c., in Cattle. Prepares Cows for Calving, Prevents Milk Fever, and cures Bad Cleansing.

12/- per doz. packets.

The Ewe Drench for Ewes, 3/6 per doz.

### DAYS' OILS

(THE PURIFIED DRIFFIELD OILS)

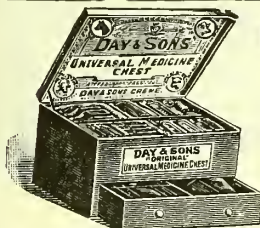
Heal all Wounds in Horses, Cattle, and Sheep, Sore Teats and Swollen Udders in Cows and Ewes. For Anointing in difficult Lambing or Calving.

2/6 and 6/- per bottle.

### DAYS' WHITE OILS.

A Safe Embrocation for Sprains, Swellings, Windgalls, Sprung Sinews, Rheumatism, Sore Throat, Weak Joints, &c.

2/6 and 6/- per bottle.



### DAY & SONS' "ORIGINAL" MEDICINE CHESTS

Price £1 4s., £2 4s., £5, and £10 10s.; Carriage Paid.

Arranged for Horses, Cattle and Sheep; Horses only; or to suit any class of stock.

WHEN ORDERING PLEASE STATE REQUIREMENTS.

The Chest Illustrated is similar to that at £5 and £2 4s.

Great Specialities.

ONLY GENUINE FROM  
**DAY & SONS, CREWE, LTD.,**  
**CREWE, ENGLAND.**

LIBERAL TERMS FOR FOREIGN BUYERS.



# THE NATURAL MINERAL WATER OF **VICHY-CÉLESTINS**

(STATE SPRING.)

For DISEASES of the KIDNEYS, GRAVEL, GOUT, RHEUMATISM,  
DIABETES, &c.

## VICHY-ETAT PASTILLES

Two or three Pastilles after each meal facilitate digestion.

**CAUTION.**—Each bottle from the STATE SPRINGS bears a neck label with the word "VICHY-ETAT" and the name of the SOLE AGENTS:—

**INGRAM & ROYLE, LTD.,**

Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

And at LIVERPOOL and BRISTOL.

# VITTEL

**GRANDE SOURCE.**

The TABLE WATER for Arthritis,  
Gout, and Kidney Troubles. . . . .

VOSGES,  
FRANCE.

**SOURCE SALÉE.**

The TABLE WATER for Constipation,  
Complaints of the Liver and Stomach,  
Gall Stones, Glycosuria, &c. . . . .

*Vittel Spa has many  
attractions for visitors.*

*Full particulars  
on application*

**10,000,000 BOTTLES SOLD ANNUALLY.**

**VITTEL, 12 Mark Lane, LONDON, E.C.**

Humphrey Taylor & Co.



By Appointment  
Liqueur  
Distillers to  
H.M. The King.

# JUNORA

## WINE OF HEALTH

This delicate, dry wine makes the most piquant and appetising of all cocktails. Blended, as it is, with choice herbs and the organic phosphates of Lecithin Ovo, it has a wonderful power of increasing both appetite and energy.

Proprietors—HUMPHREY TAYLOR & Co., Ltd. (Est. 1770), 45 New Oxford Street, London, W.C.



# INGRAM & ROYLE, LTD.

Sole Agents for the Natural Mineral Water of

## VICHY-CELESTINS

(STATE SPRING).

# CARLSBAD WATERS & NATURAL CARLSBAD SPRUDEL-SALT.

(The only GENUINE.)

WHOLESALE AGENTS FOR



ÆSCULAP,  
BONIFACIUS,  
BOURBOULE, LA,  
BUXTON,  
CHELTENHAM APERIENT,  
CONDAL,  
CONTREXÉVILLE,  
COUZAN (Source  
Gâtier)  
EMS,  
EVIAN-CACHAT  
FACHINGEN,  
FRANZ-JOSEF,  
FRIEDRICHSHALL,

GISSHÜBLER,  
GUBERQUELLE,  
HUNYADI JÁNOS,  
INSALUS,  
KISSINGEN  
KONIGSQUELLE,  
KRONENQUELLE,  
LEVICO  
MALVERN (Alpha  
Brand)  
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MARTHAQUELLE,  
MONTREUX,  
OBERBRUNNEN,

OBER-SELTERS,  
PERRIER,  
POTASH SULPHUR  
ROSBACH,  
RUBINAT,  
SOULTZMATT,  
ST. GALMIER,  
TANSAN,  
ULIVETO,  
VALS,  
VILLACABRAS.  
VITTEL,  
WILDUNGEN,

And all other Natural Mineral Waters, Salts, Pastilles, &c.

CHEMISTS SHOULD WRITE FOR SPECIAL NET PRICE LIST.

Showcards, Pamphlets, Dummy Bottles, &c., forwarded on application.

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BANGOR WHARF, 45 BELVEDERE ROAD, S.E.

LIVERPOOL—

19 SOUTH JOHN STREET.

BRISTOL—

BATH BRIDGE.

TELEGRAPHIC ADDRESSES—

"INGRAM-ROYLE LONDON."

Telephone: HOF 4343 (2 lines).

"CELESTINS LIVERPOOL."

TELEPHONE: BANK 4528.

"SPRUDEL BRISTOL."

Telephone: 1113.

(2)

# Lofthouse & Saltmer, Ltd.

—Wholesale and Export Drug—  
Merchants, Manufacturing Chemists,

**HULL,**

invite the attention of the Trade to the following well-tried preparations, which carry a big P.A.T.A. retail protected profit, and are well known and valued by the public in many parts of the country.

## **Losal's Asthma Remedy.**

Very effective Remedy for Asthma, Bronchitis, &c.

PROTECTED RETAIL PRICE.	DOZ. net.
1/-	7/6

## **Losal's Salt.**

The popular remedy for Eczema, Gout, Rheumatism, and Biliousness. Well advertised.

6d.	3/6
1/-	7/-
1/6	10/6

## **Losal's Com-pound Sulphur Soap.**

A valuable emollient medicated Skin Soap, especially for use in Eczema cases.

1/-	8/-
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## **Losal's BALL ROOM Floor Polish.**

Produces a smooth surface beneath the Dancers' feet. No dust.

1/-	7/-
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## **Malted Food.**

Usual 1/- size, lever lid tins, name and address free on 3 dozen. Special design label with name and address on gross orders, if desired.

4/6
-----

London Agents: **F. NEWBERRY & SONS, Ltd.**

**PRICES PROTECTED.**

## **Dr. Allinson's Food Preparations.**

Food for Babies, Prepared Barley, Brunak, Power, M-F. Cocoa, Biscuits, Soup, Nutbutter (Wainui Blend), Wholemeal, &c.

**NOTICE TO THE TRADE.**

We issue a list of **WHOLESALE HOUSES** who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send post-card direct to us, and a list will be sent to you by return. See trade mark on all our goods: "T. R. ALLINSON." *None Genuine Without.*

**NATURAL FOOD COMPANY, LIMITED.**

305 Cambridge Road, Bethnal Green, LONDON, E.

*Handbills, Booklets, Showcards, &c., Free.*

**N.B.**—Our goods are to be sold only at prices stated upon the Price Lists we issue to the trade.



## **YOU SHOULD STOCK Sister Lauras Food**

The Best Food for Infants, Invalids, and the Aged.

*This Food has a Hospital Record of fully 14 years—a record of unrivalled success.*

Makes Milk Digestible. Made in a moment, and has a quick and ready sale. Once tried, always used. Literature, Showcards, &c., direct. Liberal Window Display terms. Sample Tin on receipt of memo. Your Wholesale Agent can supply you. Retail Price, 1/- per tin. Wholesale Price, 9/6 per dozen (on P.A.T.A. List).

**SISTER LAURAS INFANT FOOD CO., Ltd.**

156 St. Vincent Street, GLASGOW.

# TO SWELL YOUR BANK BALANCE

## INCREASED RETURNS—THE ONLY WAY.

What nearly every Chemist to-day feels *most in need of* IS INCREASED RETURNS. His profits are not what they were, his expenses constantly tend upwards, and competition was never so keen.

Diagnosis is easy, the remedy not always apparent, for to increase returns more custom must be brought in.

**DROP  
US  
A  
POST-  
CARD  
TO-DAY**

for Sample  
Packet  
and Terms.

We are prepared to show you how we will  
**help you to largely increase your returns.**

**IT WILL COST YOU  
NOTHING!**

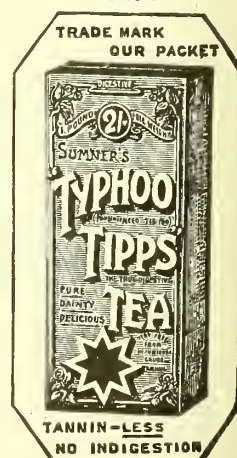
**Then why not investigate?**

SUMNERS *Typhoo* TEA LIMITED.

HEAD OFFICE. (FOR ALL CORRESPONDENCE)

CASTLE ST BIRMINGHAM.

LONDON { CLEARING OFFICE: LLOYDS AVENUE HOUSE: E.C.  
BONDED STORES: COMMERCIAL ROAD: E.





# KING'S Food & Oatmeal

## MINIMUM SELLING PRICES.

On and after Monday, November 11th, 1912, these goods will only be supplied on condition that the following minimum selling prices are maintained.

**King's Wheaten Food, 6d. size, 5d.; 1/- size, 9½d.; 2/6 size, 1/10½.**  
**King's Oatmeal, 6d. ,, 5d.; 1/- ,, 10d.; 3/- ,, 2/6.**

The following distributing firms have agreed to sell at not less than the new rates from that date:—

ARMY & NAVY CO-OP. SOCIETY, LTD.	...	London.
BARKER, JOHN, LTD.	...	Kensington.
BOOTS, LTD.	...	All Branches.
BURGONS, LTD.	...	Manchester and Branches.
HEDGES & SON	...	Birmingham.
HENRY HODDER & CO.	...	Bristol and Branches.
INTERNATIONAL TEA STORES...	...	All Branches.
LEWIS & BURROWS, LTD.	...	London and Branches.
MASONS	...	S. Shields, Durham, etc.
NEEDHAMS, LTD.	...	All Branches.
PARKE'S DRUG STORES, LTD.	...	London.
SELFREDGE & CO., LTD.	...	London.
SEYMOUR MEAD...	...	Manchester and Branches.
SPIERS & POND, LTD.	...	London.
TAYLOR'S DRUG CO., LTD.	...	Leeds and Branches.
TIMOTHY WHITE CO., LTD.	...	Portsmouth and Branches.
WALKER & HARRIS	...	Canterbury, Hastings, etc.
WALLER & RILEY	...	Bolton, Rochdale, etc.
WANDS, LTD.	...	Leicester.

The scheme has been promised support by a large number of other well-known retailers throughout the country, the co-operation of all chemists is requested in order to avoid further cutting of prices.

SOLE MANUFACTURERS:—

# GEORGE KING & Co.,

1 & 2 Sycamore St., Old St., London, E.C.

## Why You Should Stock

# VEROX

ALL BEEF. ALL BRITISH

### Facts Your Customers Appreciate.

Recent independent analysis has proved **Verox Fluid Beef** to contain an exceptionally high percentage of nitrogenous matter, and an exceedingly low percentage of moisture. This explains why less than a teaspoonful of **Verox** makes a cup of nourishing, real, beef-beverage.

The special shape bottle, preventing waste; the high quality and the low minimum selling prices—less than any other genuine brand—all combine to make **Verox** a quick selling, reliable line. **Verox** is the result of forty-five years' experience in manufacturing meat extracts.

## A PROFIT OF 30%

in many cases more, is being made by Chemists who are selling this All-British Fluid Beef.

Our exhibit of **Verox** gained the highest British Award in its class at the Turin Exhibition last year.

TOOTH'S EXTRACT OF MEAT CO.,  
12 Duke Street, London, S.E.  
(Est. 1865.)

Tel. : 7368 Central. Teleg. : "Sustentate London."  
a.J.S.



Tear out the Coupon NOW, and post under halfpenny postage, for free sample, price list, and particulars of our special advertising scheme that will bring you business.

TEAR ALONG THIS LINE.  
Please send me post free, sample of Verox, price list, and particulars of your special advertising scheme. I enclose my business card (or heading).  
C. & D. 2/11/12

## Prompt Sales Increasing Demand Quick Turnover

You stock "Wincarnis"—our advertising sells it for you. There is an enormous and ever-increasing demand for "Wincarnis" because it is a good article backed up by a powerful advertising campaign. Don't risk losing sales through being out of stock. Glance at your stock now.

COLEMAN & CO., LIMITED,  
Wincarnis Works, Norwich.

# WINGARNIS



# A POWERFUL NERVE AND BRAIN FOOD

# WISEM

(Seed of Strength)

WISEM consists of milk casein and whey powder, with 3% of pure lecithin-ovo and 3% of glycerophosphate of soda. The casein used is made from milk produced on some of the finest pastures in the Kingdom, by a special process which yields a pleasant flavour, and retains the proteins in a soluble state. It is also rich in soluble organic phosphorus.

WISEM is made up in the form of tablets, which are eaten like biscuits. These tablets can be taken at any time and under any circumstances, and are obviously more convenient than preparations which have to be dissolved in hot water, milk, &c. It has an agreeable flavour which is distinctly superior to that of any other casein preparation.

WISEM is being largely and effectively advertised in the great national newspapers.

WISEM is also extensively advertised in the medical journals and doctors are largely prescribing it.

Beautiful showcards and interesting literature will be supplied to the trade.

**Price 13/6 per dozen boxes.**

P.A.T.A. Minimum re-selling price 1/6 per box.

**APLIN & BARRETT, etc., LTD.,** Yeovil, Somerset,  
and 33 Park Road, Battersea Park, London, S.W.

(WHOLESALE DISTRIBUTORS FOR ST. IVEL, LTD.)

## HONEY! HONEY!! HONEY!!!

We have secured Large Parcels of

ENGLISH HEATHER,  
ENGLISH CLOVER,  
CALIFORNIAN,  
NEW ZEALAND,  
JAMAICA,  
AND  
CHILIAN.

Before Buying write for Samples, Prices, and Styles of  
Packing to

**BROOK PARKER & Co., LTD.,**  
9 Garnett St., BRADFORD.

WE GIVE SHOWCARDS, PRICE CARDS, WINDOW POSTERS,  
and LOAN BEEHIVES for ATTRACTIVE WINDOW DISPLAY.

PURE EGG  
LECITHIN

### LECITHIN EX OVO

#### LECITHIN-ALBUMEN POWDER

For the manufacture of Tablets,  
Chemical Foods, Nerve Tonics, etc.

#### LECITHIN FOOD PREPARATIONS

Prepared with 2½%, 5%, or 10% of PURE Lecithin  
in bulk, or in boxes or cartons.

LECITHIN TABLETS, DRAGEES, PILLS or CHOCOLATE,  
Prepared by Chemical Works "VICTORIA," Berlin, S.W.

Sole Agent for U.K.:

**HUGO LORENZ, 7 & 8 Idol Lane, London, E.C.**

Write for Pamphlets. Tel. Nos.: Avenue 5945; Central 12641.

## SAL HEPATICA.

PUT UP FOR EXPORT.

Small	size,	3 oz. bottle, in case.
Medium	"	7 " " "
Large	"	16 " " "

#### OBTAINABLE IN LONDON FROM

Thos. Christy & Co., 4-12 Old Swan Lane,  
Upper Thames Street, E.C.

The American Drug Stores, 24 Orange Street,  
Haymarket, London, W.C.

Burgoyne, Burbidges & Co., 16 Coleman Street,  
E.C.

F. Newbery & Sons, Ltd., 27 Charterhouse  
Square, E.C.

Roberts & Co., 76 New Bond Street, W.



**FRED<sup>K</sup>. FINK & CO.**

10 &amp; 11 MINCING LANE, LONDON, E.C.

SPECIALITIES: Gums Arabic and Tragacanth as imported or finely powdered—Dextrine, Camomiles, Honey. Waxes of all kinds for Boot Polishes, &amp;c.

**ENEMAS, SPRAYS, DOUCHES, &  
SURGICAL RUBBER GOODS.**

Write for List

**X. L. RUBBER CO.** Broadheath Rubber Works,  
ALTRINCHAM.**Dentistry**

FOR CHEMISTS &amp; DENTISTS

Write for  
Price List**A. G. FENTIMAN**

190 BISHOPSGATE, LONDON, E.C.

**TAVERNER & SONS, Ltd.,**

40 Ridley Rd., Dalston, London, N.E.,

Manufacturers of all kinds of GUM  
ARABIC GOODS, Pastilles, Jujubes, &c.

Established 1850.

TO WHOLESALE BUYERS &amp; SHIPPING MERCHANTS ONLY.

FOR ALL KINDS OF

**CAPSULES & PERLES.**Hand-made or Machine-made, "TYE'S" will ensure purity of  
contents and best finish. Specially prepared to suit all climates.**JOHN TYE & SON**

Manufacturing Chemists,

(Established 1845),

PACKINGTON STREET, LONDON, N.

**MENTHOL and  
MENTHOL & EUCALYPTUS  
SNUFFS.**

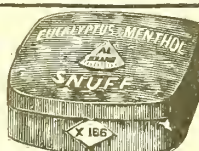
Both Profit Bringers!

On the P. A. T. A.

3½d., 1/10 per dozen,

6 dozen lots, 1/8,

5 gr'ss lots 16/6 per gr'ss



Imitation Tortoiseshell.

Imitation Oak.

**SHIRLEY BROS., Ltd.,** Whitecross Works, London, S.E.**CYONA**

TINCTURE, OINTMENT, and SOAPS

(For Human and Veterinary use).

AWARDS:

Medal &amp; Diploma .. Chicago, 1893.

Silver Medal .. Antwerp, 1894.

Silver Medal .. Vienna, 1894.

Gold Medal .. Tasmania, 1895.

Hon. Mention ..

Paris, 1900.

**THE CYONA COMPANY, Ltd.,** Aston, Wallingford, BERKS.**NYTO****KILLS NITS!**TO BE OBTAINED OF ALL  
WHOLESALE SUNDRY HOUSES  
AND OF

'NYTO' PREPARATIONS, LTD.

ST. JAMES' WALK,  
CLERKENWELL, E.C.

2d. per Packet.

**PRECIPITATED CHALK.**

LIGHTEST, WHITEST AND PUREST QUALITIES

APPLY TO—

**AUG. LEVERMORE & Co., Ltd.** 9/10 Gt. St. Helen's,  
LONDON, E.C.

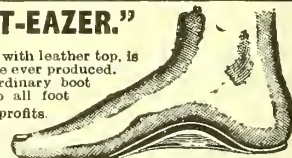
TELEGRAMS: "LEVERMORE LONDON." TELEPHONE: 4913 CENTRAL.

**"SILVERY WHITE GUTTA PERCHA ENAMEL"  
TOOTH STOPPING****P. A. STEVENS,** Surgeon-Dentist,  
Mansfield Rd., S. Hampstead, N.W.  
Sole Proprietor & Manufacturer.TRADE MARK. Registered No. 2745. Special Terms to Wholesale Houses for  
Sheet or Sticks stamped with their own name. A sample box of 3d. sticks sent  
post free for 12 stamps. Price list and sample free.

SPECIALISTS IN THE MANUFACTURE OF

**TRUSSES IN LEATHER, HARD RUBBER,  
CELLULOID, &c.,****SUSPENSORY BANDAGES, AND BELTS,**  
SUPERIOR QUALITY AND WORKMANSHIP.

Samples and Quotations on application to

**F. SCHUTZE & CO., LTD.,** Black Bull Works,  
CALEDONIAN MARKET, LONDON, N. (3)**SCHOLL'S "FOOT-EAZER."**Made of two German Silver Springs, with leather top, is  
the most practical foot-resting device ever produced.  
Light and springy, worn in the ordinary boot  
unnoticed, it gives instant relief to all foot  
troubles. Gives the Chemist big profits.  
Our free Booklet "Scientific Correction  
for Ailments of the Feet" sent  
on application.**THE SCHOLL MFG. CO., Ltd.,** 1, 2, 3 & 4, Giltspur Street, London, E.C.**ARE YOU GETTING THE BEST RESULTS?**

If NOT, try

**H. GARTHWAITE,**The Old Established Dental Mechanic,  
Crown Chambers, Goldsmith Street, NOTTINGHAM.

Write at once for Price List.

**DISINFECTANTS**

OF ALL KINDS.

Cheapest Makers of Co-efficient Acids and Fluids.

**HENRY ELLISON, LTD.,** CLECKHEATON, YORKS.**ON P.A.T.A. LIST.****CHAMELEON OIL.**

—NO NEED TO RUB.—


CURES Rheumatism, Lumbago, &amp;c.

**THE CHAMELEON OIL CO., Ltd.,** 45 Eden Grove, HOLLOWAY, N.**First-Class Mechanical Dentistry.**Reliable workmanship. Popular prices. Moderate charges for gold.  
D.A., Tubes, Seamless Gold Crowns, Sections, Vulcanite, &c. Ash's  
and D.M.Co. Teeth and Rubber guaranteed. Punctuality strictly  
observed. List free. Trial case solicited. Gold and D.A. work a  
speciality. Special cheap rates for show case pieces. 16 years' ex-  
perience of first-class mechanical dentistry.**E. O. HALDER,** 46 New Cross Road, LONDON, S.E.





**ALEXANDRE'S  
SHADEINE  
FOR COLOURING GREY HAIR.**  
This popular article is largely advertised  
and stocked by all Wholesale Houses.  
**TRIAL BOTTLES** 6d. size, supplied on  
pretty showcards.  
4/- per doz.; 3/6 size, 28/- per doz.  
**58 WESTBOURNE GROVE, LONDON, W.**




**Papier Poudre**  
**POPPOEIA PREPARATIONS**  
Good Profit to Chemists, &c.  
Price List from  
**PAPIER POUDRE, Ltd.,**  
23 Somerset St., London, W.

**DENTISTRY FOR DENTISTS**  
by A. J. FENTIMAN, Dentist (Fentiman & Co.).  
Practical Dentists in Gold, D.A., Tubes, Crowns, Gum Sections,  
Vulcanite, Celluloid, Strengthened Rubber, Reg. Cases (Angles),  
Obturator, &c.  
Telephone: 9977 London Wall. Telegrams: "Lullingly London."  
Postal—East Smithfield, Tower Bridge. Established 1836.  
**NO OTHER ADDRESS.**

**DENTISTRY**  
(Mechanical).  
**EXPERT WORKMANSHIP. PROMPT SERVICE.**  
**POPULAR PRICES. GUARANTEED MATERIALS.**  
"Dentistry for Chemists" post free. "Everyday Dentistry," 3/6.  
**F. C. WARDALE & CO., 132 High Street North, East Ham.**  
Tel. No.: East Ham 174. Tel. Address: "Eladraw London."

**ARSENATE OF LEAD, Paste and Powder, SODA  
ARSENATE and ARSENITE, EPSOM SALTS,  
GLAUBER'S SALT, WHITE COPPERAS (Zinc  
Sulphate), CHLORIDE OF ZINC, Solid, Granulated  
and Liquid, CHLORIDE OF TIN CRYSTALS.**  
**WILLIAM BLYTHE & CO., LTD.**  
**CHURCH, LANCS.**



**TINS**  
FOR COLD CREAM, LANOLINE,  
"VASELINE," CAMPHOR ICE,  
MENTHOL SNUFF, COCOANUT  
OIL, PINE TREE LOZENGES,  
BROMPTON LOZENGES, Etc. Etc.  
Ask for particulars of "Own Name" Ointment  
tins, as drawing. Every Chemist should have them.  
**SHIRLEY BROTHERS, LTD.,**  
"X" Series Tins, Whitecross Works, LONDON, S.E.

**NEWNHAM BROWNE & CO.**  
(John E. Raworth, Chartered Patent Agent, Sole Partner).  
**PATENTS, TRADE MARKS AND DESIGNS.**  
City Office: 78 CHEAPSIDE, E.C.  
Head Office: QUEEN ANNE'S CHAMBERS,  
WESTMINSTER, S.W.

**TOBACCOS ! CIGARS ! CIGARETTES !**  
Every known Brand at Manufacturer's own List  
Prices. Endless variety of Tobacconists' Fancy  
Goods & Shop Fittings. The Trade only supplied.  
Opening orders a Speciality. Send for Price List.  
**SINGLETON & COE, Ltd., Cannon Street, BIRMINGHAM,  
AND BRANCHES.**



**ELECTRIC POCKET LAMPS.**  
SPECIAL SAMPLE OFFER.  
We will send you one dozen Lamps, all different,  
selling at from 10d. to 3/- each, together with  
plain retail lists to sell from. The lot, carriage  
paid, 12/6.  
**ARCHIBALD J. WRIGHT, Ltd.,**  
Manufacturing Electricians,  
41 Beech Street, BARBICAN, LONDON, E.C.

**VAN HORN & SAWTELL**  
— LONDON & NEW YORK — **MAKERS OF**  
**K-Y LUBRICATING JELLY**  
IN COLLAPSABLE TUBES, AND OF  
"Van Horn" **STERILE SUTURES & LIGATURES**  
IN GLASS TUBES — PRICES ON APPLICATION.  
31-33 HIGH HOLBORN, W.C.

**The "CULVERT"**  
**CRÈPE PAPER TOILET ROLLS**  
Invaluable for HOSPITALS and SICK ROOM.  
WHOLESALE AND EXPORT.  
**R. MAXSON,** Culvert Works, SOUTH TOTTENHAM, LONDON, N.

**"Zepto"**  
THE ANTISEPTIC  
TARTAR REMOVER.  
Shall we send Sales Scheme ?  
**CHRISTY'S, Old Swan Lane, E.C.**

**DENTAL TOOLS & MATERIALS.**  
Teeth, Rubbers, Anæsthetics, Chairs, Engines, etc.  
Low Prices. First Quality. **NEW CATALOGUE POST FREE.** Write for Quarterly Journal.  
**G. J. PLUCKNETT & CO., LD. 29-30 Poland St., Oxford St., London, W.**  
**A. MILLAR & CO., LTD., DUBLIN**  
**PURE ORANGE WINE**

(VINUM AURANTII, B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)  
London Agent: JAMES STIRTON, 23 ST. DUNSTON'S HILL, E.C.

# *Sanger's*

258, EUSTON RD.  
LONDON, N.W.

PATENT MEDICINES &  
PROPRIETARY ARTICLES  
SOAPS & FOODS  
PERFUMES  
MINERAL WATERS  
SHOP FITTINGS  
DRUGGISTS'  
SUNDRIES  
SURGICAL INSTRUMENTS  
PACKED TOILET  
REQUISITES  
PHOTOGRAPHIC MATERIALS

## Handsome and Attractive Coloured Smelling Salts

*Permanent*  
— and —  
*Artistic*  
*Colours*



*Neatly*  
*tied with*  
*Ribbon*

**No. 133.** Superior quality, filled with coloured salts, tied with ribbon, large size, 6 oz. per doz. 20/- (1 doz. 19/-).

**No. 208.** Ditto Smaller size 4 $\frac{3}{4}$  oz. filled as above per doz. 9/6 (1 doz. 8/9).



## WHOLESALE PRICES OF PHOSFERINE.

**CASH WITH ORDER.**

1/1½ size Phosferine	...	10/2½ per dozen net
2/9 " "	...	25/6 " " "
4/6 " "	...	40/9½ " " "

5 GROSS LOTS (assorted sizes if required) subject to 1½ per cent. Cash Discount.

10 GROSS LOTS (assorted sizes if required) subject to 2½ per cent. Cash Discount.

### PROTECTED PRICE.

The selling price of Phosferine is Protected, it must not be retailed in the United Kingdom under the following prices, viz. :—1/1½ size for 1/-, the 2/9 size for 2/6, 4/6 size for 4/-.

Full prices to be obtained when possible.

# PHOSFERINE

## The Greatest of all Tonics,

Is a good paying line for Chemists—the Retail price is protected, and, as it contains nothing poisonous, it can be sold without restriction.

Being a highly Concentrated Medicine, its storage occupies very little of the valuable space in a Pharmacy.

It is one of the largest advertised medicines in the kingdom, and sells freely.

It can be recommended with the greatest confidence for all Nerve Pains, Nervous Disorders, Rheumatism, Nervous Headache, Dyspepsia, General Debility, &c.

### ROYAL COMMANDS.



PHOSFERINE has been supplied by command of  
Members of the British Royal Family,  
H.I.M. The Empress of Russia,  
H.M. The King of Greece,  
H.I.M. The Dowager Empress of Russia,  
H.M. The Queen of Roumania,  
&c., &c., [1]

A recommendation that can be claimed for  
no other Proprietary Medicine.

**ASHTON & PARSONS, LTD.**  
LA BELLE SAUVAGE  
LUDGATE HILL, LONDON, E.C.

## CAUTION.

To Imitators or Dealers in Imitations of

# PHOSFERINE.

### PERPETUAL INJUNCTION

WITH

### DAMAGES AND COSTS,

obtained against THE VENDOR  
for using the word  
**PHOSFERQUIN.**

In the High Court of Justice.

CHANCERY DIVISION.

Before MR. JUSTICE COZENS-HARDY.

Between ASHTON & PARSONS, LIMITED,

Proprietors of "Phosferine" (Plaintiffs)  
AND

THE VENDOR OF PHOSFERQUIN (Defendant).

A PERPETUAL INJUNCTION with damages and costs was granted on the 14th December, 1900, restraining the above Defendant, his servants and agents from in any manner infringing the Plaintiffs' Registered Trade Mark, 6530, and from selling or offering or exposing or advertising for sale or procuring to be sold any medical preparation not prepared by the Plaintiffs under the name of "Phosferine" or under any other name which by colourable imitation of the Plaintiffs, word "Phosferine" or otherwise was calculated to represent or lead to the belief that such preparation is "Phosferine" or is a preparation of the Plaintiffs, and from selling or supplying any such preparation as aforesaid in response to orders for "Phosferine" or for a preparation of the Plaintiffs or from otherwise passing off or enabling or assisting others to pass off any such preparation as aforesaid as or for "Phosferine" or a preparation of the Plaintiffs.

All information relating to the infringement or dealers in infringements of "Phosferine" will be confidentially treated, and should be addressed to the proprietors of "Phosferine,"

## ASHTON & PARSONS, LTD.

LA BELLE SAUVAGE,  
LUDGATE HILL, LONDON, E.C.

Or to Messrs. J. E. EVANS-JACKSON & CO.,

Patent Agents,

Bristol House, Holborn Viaduct, E.C.

# VALDA PASTILLES.

**UP-TO-DATE 'LABORATORIES AND WORKS,  
13 Hythe Road, Willesden Junction, London, N.W.**

VALDA PASTILLES are being advertised all over the country. There is no town in the Kingdom where VALDA PASTILLES and their claims will not be put before the public.

In view of the demand which such advertising is bound to create, it would be well to command a stock of VALDA PASTILLES, either direct or through wholesale houses.

Don't be taken unawares. Avoid dissatisfying customers by not stocking VALDA. Let your customers know you stock VALDA PASTILLES.

Appended is a list of the principal Wholesale Druggists and Sundriesmen who supply VALDA PASTILLES.

**LONDON.**  
Burgoyne, Burbidges, & Co.  
Sangers  
Butler & Crispe  
May, Roberts & Co., Ltd.  
W. Edwards & Son  
Barclay & Sons, Ltd.  
Newbery & Sons, Ltd.  
Wilcox, Jozeau & Co.  
Hovendens & Sons, Etc.

**LIVERPOOL.**  
Evans Sons Lescher & Webb,  
Ltd.  
J. Thompson, Ltd.  
Ayrton, Saunders & Co., Ltd.,  
Etc.

**MANCHESTER.**  
J. Woolley, Sons & Co., Ltd.  
Oldfield, Pattinson & Co.,  
Etc.

**BIRMINGHAM.**  
Southall Bros. & Barclay, Ltd.  
British Sundries Co.

**LEEDS.**  
Hirst, Brooke & Hirst, Ltd.  
Goodall, Backhouse & Co.

**MIDDLESBROUGH.**  
W. Coltman

**HULL.**  
Lofthouse & Saltmer, Ltd.

**YORK.**  
Raimes & Co.  
Bleasdale, Ltd.

**THIRSK.**  
W. Foggitt & Sons

**NEWCASTLE.**  
J. Ismay & Sons  
Wilkinson & Simpson, Ltd.

**BRISTOL.**  
Ferris & Co., Ltd.  
Evans, Gadd & Co., Ltd.

**EXETER.**  
Evans, Gadd & Co., Ltd.

**GLASGOW.**  
Cockburn & Co., Ltd.  
Glasgow Apothecaries' Co.  
Glasgow New Apothecaries' Co.  
W. & R. Hatrick & Co.  
T. & H. Smith, Ltd.  
F. Spite & Co., Ltd.  
James Taylor

**EDINBURGH.**  
Duncan, Flockhart & Co.  
Raimes, Clark & Co., Ltd.

**DUNDEE.**  
Davidson & Gray.

**ABERDEEN.**  
W. Davidson, Ltd.  
W. Paterson & Sons

**DUBLIN.**  
May, Roberts & Co., Ltd.

**BELFAST.**  
McMullan & Co.  
J. & J. Haslett, Ltd.

## SPECIAL TERMS FOR CASH WITH ORDER.

1 dozen Boxes	-	-	£0 11 6
6 dozen Boxes	-	-	3 7 6
1 gross Boxes	-	-	6 12 0

Carriage paid to any part of the United Kingdom.

## SHOWCARD sent on application.

Several bags of Senegal Gum Siftings of 2 cwt. each to be sold at the price of 2½d. a pound, net cash, carriage paid. Sample on application.





# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, NOVEMBER 2, 1912

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

## TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers) and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.** Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done.

**PROVIDED THE MONEY IS TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 852 Bank (two lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

It pays to pay for advertising  
in this Supplement.

## CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

- 1.—LONDON, S.E. (Suburban).—Dispensing and Retail Business; good-class trading; position unique; returns, present rate, 500; net profit about £450; large shop; long lease; price £1,250.
- 2.—LONDON, E.C.—Old-established Business, Retail and Dispensing; returns average about £700; gross profit £325; good prices obtained; roomy house, bath-room, private entrance, garden; moderate; price about £225.
- 3.—LONDON, W.—Ready money Business; established many years; returns exceed £425 per annum; net profit £150; double-fronted shop, fitted in mahogany; electric light; no immediate position; price £165.
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- 5.—MIDDLESEX (Suburban).—Death Vacancy; good-class family and Retail trade; returns £750; net profit £300; roomy house; rent £45; no near opposition; price £600.
- 6.—KENSINGTON.—Retail and Dispensing Business; good position; attractive shop; returns between £1,000 and £1,100 per annum; net profit over £300 (proof given); price £850; vendor going abroad.
- 7.—BANKS OF THE UPPER THAMES (Death Vacancy).—Family Retail, Prescribing, Optical, and Dentistry; established at 1810; returns, including Branch, £1,300 (about); attractive position; position unique; large stock, above the average; further details on application.
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- 9.—CHESHIRE.—Light Retail Business; returns between £500 and £600 per annum; net profit, after all expenses paid, £198; comfortable residence; rent £28; price £275.
- 10.—HOME COUNTY.—Mixed Business, unopposed; returns about £420; net profit between £120 and £150; comfortable residence; rent £20; lease if desired; price £120.
- 11.—WEST OF ENGLAND (Large Town).—Light Retail, Dispensing, and Prescribing Business; returns for the last three years average £1,200; and the profit £350; large residence, including bath-room; excellent position; price £900.
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- 10.—SOUTH-WEST OF ENGLAND.—High-class Business, in very best position; returns over £1,450; excellent profits; most desirable house; handsome shop, fully stocked; price £1,100, or offer.
- 11.—KENT COAST.—Good-class Dispensing and Retail, in prominent position; returns £780; scope for doing £1,200; same hands many years, retiring; price about £700.
- 12.—HOME COUNTY (Market Town).—Good-class Retail and Dispensing; returns nearly £900, increasing; excellent profits; Assistant kept; good position; fully stocked; price £700, or £50 and valuation.
- 13.—DORSET.—Light Retail and Prescribing, with own Specialties and Dentistry; returns £670; net profit £284; low rent, on lease; good house; best position; fully stocked; price £550.
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- 15.—MIDDLESEX (Death Vacancy).—Good-class Business, practically unopposed; net profit about £300; scope for increase; good house and shop; price £550; personally recommended.
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**TO** be Sold, as a going concern, compact Wholesale Sundries, etc., and Perfumery Business; good connection in North England, Scotland, and Ireland; present proprietor desirous of retiring through age; with capital can be largely extended; price about £2,000. Apply, 239/3, Office of this Paper.

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**L**ONDON District or Neighbouring Counties.—Good standing Business wanted, either small or medium size, doing from £600 to £1,200; cash ready for vendor wishing to sell before winter and offering cash value. Particulars, including rent and bedrock price or valuation terms, to "Carnatic" (237/10), Office of this Paper.

**A** HIGH-CLASS Pharmacy, doing good Prescription business, wanted in North of England or in Scotland; net profits must not be less than £500 per annum. Communications, strictly confidential, to "Pharmacist," c/o Dr. Selwyn Brown, 30 St. Swinith's Lane, London, E.C.

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**F**ULHAM (main road).—Chemist's and Druggist's, fine position, to let; low rent, on lease; double-fronted shop; fine dwelling-house; could be let off as flats; fittings and fixtures, stock, etc., low price; view by appointment. Apply, Richardson & Sons, Builders, 73 Avondale Road, Peckham.

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**W**ANTED, for a Chemist's Business with 2 shops, in good residential neighbourhood, Partner with capital. Apply, Bradley & Co., 25 Colquitt Street, Liverpool.

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**S**ELLING Agents for Malt Extract wanted in all large centres; very profitable line for firms who are continually in touch with Retail Chemists. Apply, 237/3, Office of this Paper.

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**B**OURNEMOUTH (near).—Junior, about 20, for good-class Dispensing and Retail; knowledge of Photography; indoors. Cartledge, Parkstone, Dorset.

**C**ITY.—Wanted, a young Junior or Improver in a City Pharmacy; short hours; no Sunday duty. Give particulars, state salary (outdoors), to "City" (242/7), Office of this Paper.

**C**ITY OF BRADFORD. — Infant Consultations.—The Bradford Corporation require a fully qualified Woman Dispenser at the Infant Consultations in the City; salary £100 per annum; the successful applicant will be required to devote her whole time to the duties of the office; canvassing members of Council will disqualify. Applications (on form to be obtained from the Town Clerk), accompanied by copies of three recent testimonials (which will not be returned), and endorsed "Dispenser—Infant Consultations," to be sent to me on or before Saturday, the 9th proximo. Frederick Stevens, Town Clerk, Town Hall, Bradford, October 22, 1912.



**CROWBOROUGH.**—Wanted, early in November, Assistant for good-class Dispensing and Retail; knowledge of Photography. Apply, stating salary (indoors), previous experience, etc., G. H. F. Dier, Pharmacist, Crowborough.

**DENBIGH.**—Wanted, a smart and capable Junior, unqualified, with Dispensing experience; indoors; knowledge of Welsh desirable, but not essential. Apply, with full particulars, stating salary and enclosing photo, to Harrison-Jones & Co., Chemists, Denbigh.

**EAST SUSSEX HOSPITAL, HASTINGS.**—Dispenser required; salary commencing £95 p.a., and rising by annual increments of £2 to £110; candidates must be duly qualified. Applications, with copies of three recent testimonials, to be sent to the Secretary by November 11.

**EASTBOURNE.**—Unqualified Assistant; indoors; comfortable home; easy hours. Apply, stating age, height, salary required, when at liberty, with photo, last 3 situations and duration of each, and any other particulars, to Gibbs, Chemists, Eastbourne.

**KENT.**—Qualified Second Assistant, chiefly for Dispensing, with good provincial experience. Please state age, height, experience, salary required (outdoors), and enclose photo, "C. B." (237/35), Office of this Paper.

**LONDON, S.W.**—Unqualified (outdoors), about 30, for Pharmacy and Drug Stores; good Counterman; 3 hours' duty every other Sunday; half-day off. State experience, references, age, salary, photo (to be returned), height, etc., 232/13, Office of this Paper.

**LONDON, S.W.**—Messrs. Amore & Co. require a smart qualified Assistant, about 25; indoors; first-class experience essential. Apply, with full particulars, to A. H. Brooks, 173 Sloane Street, S.W.

**LONDON, N.**—A Junior Assistant wanted, about 21; one whole day off weekly. Please send photo and say when disengaged, Long, 9 The Broadway, Stamford Hill, N.

**LONDON, W.**—Messrs. G. Jolley & Co. will require a qualified Junior Assistant (indoors) about November 12. Apply, H. J. Kluge, 13 Curzon Street, Mayfair, W.

**LONDON.**—Wanted, for November 15, a qualified Assistant, about 25 years of age. Apply, stating age, experience, and salary required (indoors), to H. S. Hairsine, 47 Haymarket, London, S.W.

**LONDON.**—Two Junior Assistants wanted for working-class district; good prospects to suitable men. Usual particulars to S. Briggs, Chemist, Broadway, Crouch End, N.

**LONDON.**—Wanted, about the middle of November, a competent Assistant, not under 25 years of age, accustomed to good-class business. Apply, stating age, height, experience, and salary expected (indoors), to 237/17, Office of this Paper.

**LONDON, S.W.**—Assistant wanted, about 21 (indoors), for good-class Dispensing and Retail, Photography; 2 kept. Apply, stating age, height, experience, and salary required, to Feltwell & Son, Chemists, Church Road, Barnes, London, S.W.

**LONDON (outdoors).**—Qualified Assistant, accustomed to first-class Counter work and Dispensing; good appearance and address essential. Apply, giving full particulars, to Mr. A. F. Porter, c/o S. Maw, Son & Sons, 7/12 Aldersgate Street, E.C.

**LONDON, W.**—Capable Assistant, good Salesman and with knowledge of Dispensing and Photography, qualification not necessary, for November 11; outdoors; no Sunday duty. State full particulars of experience and salary required, Manager, H. Lamplough, Ltd., 166 Strand, W.C.

**LONDON, N.W.**—Junior wanted immediately, 20 to 25; outdoors; Dispensing and Retail. Particulars of experience, salary required, etc., to "W. R. A." (242/35), Office of this Paper.

**MIDLANDS.**—Qualified Assistant required immediately for modern Cash business; would just suit man who has recently passed his Minor. State age and salary required, 239/190, Office of this Paper.

**MIDLANDS.**—Wanted, qualified Manager, age 40-50 for Light Retail business; comfortable permanency for steady and reliable man. 239/19, Office of this Paper.

**NOTTINGHAM.**—Wanted, qualified Manager for Mixed trade in working-class district, 25 to 40; Extractor preferred, though not imperative; must be steady, temperate, and have undeniable references. Apply, giving full particulars of ability, age, height, single or married, salary required, to Southern, Chemist, 87 Wilford Road, Nottingham.

**OLDHAM.**—Qualified Assistant for brisk Retail trade; must be quick and reliable, a good Salesman. State age, height, experience, references, and salary required, enclosing photo, 228/26, Office of this Paper.

**SOUTH CROYDON.**—Assistant wanted at once, age 23-27. Give full particulars in first letter as to salary, etc., Noble, Pharmacist, South Croydon.

**SOUTH KENSINGTON, S.W.**—Assistant, age about 25 (outdoors), required at once; must be quick and obliging, a neat and accurate Dispenser, good Window-dresser and Salesman, and thoroughly trustworthy. Apply, with usual particulars, or personally, to P. Bolton, English and Foreign Chemist, 5 Sussex Place, South Kensington, S.W.

**STOCKTON.**—Wanted, unqualified Assistant (Junior); good character, experience, references, wages. Apply, Milburns, Ltd., Cash Chemists, 102 High Street, Hull.

**WOOLWICH.**—Junior Assistant (outdoors) for good-class Photographic and Dispensing business. Apply, A. Goldthorpe, 10 Powis Street, Woolwich.

**YORKSHIRE.**—Junior Assistant wanted at once for a high-class business; a splendid opportunity for a young man just out of his apprenticeship. State age and salary required to commence with, 239/109, Office of this Paper.

**ASSISTANT** wanted, principally for Dispensing; indoors preferred; thoroughly reliable; qualification not essential. Apply, with references, salary required, and recent photograph, to T. Matthews, Chemist, Man of Ross House, Ross.

**ASSISTANT (outdoors)** for medium second-class Retail and Dispensing business; one thoroughly capable of restoring the trade of a business which has sadly fallen off. Apply, by letter, stating age, salary required, and reference, to "Chelt" c/o The British Drug Houses, Graham Street, City Road, London, N.

**CAPABLE** Junior or Improver, about 20, wanted for good-class Dispensing, Light Retail, and Photographic; abstainer preferred; indoors; sleep out. Please state usual particulars as to age, height, salary, and experience, Woolings, Chemist, Sandown, I.W.

**ELDERLY** qualified gentleman for small Branch (outdoors) near Oxford Circus; hours long, but every consideration to reliable man; salary £2 weekly, but opportunity to increase. 236/30, Office of this Paper.



This Blackboard demonstrates that Advertiser using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

#### TO SAVE TROUBLE.

**MANY** correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

#### ANSWER IN TERMS OF THE ADVERTISEMENT AND

**REMEMBER** you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

**BE BRIEF BUT CLEAR.**—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.



**FIRST-CLASS** Manager required for West-End business; outdoors; good salary and share of profits; must be registered and good business man. Apply, with full particulars and photograph, to 238/20, Office of this Paper.

**GERMAN** or French Assistant wanted, one who desires to learn English. Apply, 156 Wardour Street, W.

**JUNIOR**, about 20; energetic and with knowledge of Photography; able to make himself generally useful. Apply personally if possible, if by letter please state usual particulars as to salary, experience, etc., to C. Woolons, 28 Kilburn Lane, London, W.

**JUNIOR** Assistant required by November 18, age about 22-23; outdoors. Apply, with full particulars, age, height, and salary expected, enclosing photo (to be returned), to John F. Harrington, 15 Kensington High Street, London, W.

**JUNIOR** Assistant required for good-class Dispensing and Retail business; some experience since apprenticeship preferred, qualified Senior kept. State full particulars and salary required (outdoors). Hedley Pattinson, Chemist, Whitley Bay.

**JUNIOR** Assistant wanted for high-class Dispensing and Retail business in pleasant suburb of Liverpool; age 20-22; must be competent Dispenser, good Counterman, and be well recommended. Apply, with particulars of salary required, experience, and when disengaged, enclosing photo if possible, to "Statim," c/o Messrs. J. Thompson, Ltd., Wholesale Chemists, Hanover Street, Liverpool.

**JUNIOR** Assistant required in good University and General business; must have good knowledge of Photographic trade. Apply, Beall & Son, 15 Chesterton Road, Cambridge.

**JUNIOR** Assistant wanted (indoors), capable of undertaking Photographic work. State full particulars in first letter, references, salary required, age, photo, and experience, W. & S. 21 West Street, Horsham.

**JUNIOR** Assistant (unqualified) wanted in City business; outdoors, hours 9 to 7, Saturdays 1.30. Apply, stating age, experience, and salary required, to Knowles & Phillips, 93 Gresham Street, E.C.

**JUNIOR**, active and of good address, one who has had 6 or 7 years' good-class experience, for Family, Retail and Photographic business. Apply, with full particulars and salary required, to Shillecock & Sons, Chemists, Bromley, Kent.

**JUNIOR-IMPROVER** wanted; business Light Retail, with some Dispensing; outdoors; easy hours; no Sunday duty; time allowed for studies. State particulars and salary required, Roberts, Pharmaceutical Chemist, Totnes, S. Devon.

**LEWIS & BURROWS** have a vacancy for a good unqualified Assistant for West-End Counter. Apply, with full particulars, enclosing photograph, to 146 Holborn Bars, E.C.

**QUALIFIED** Junior (outdoors) required for Country business. State age, qualification, present and last situation, with references and salary required, Reade Brothers & Co., Ltd., Wolverhampton. Hours 8.30 to 8 p.m. except Saturday, half-holiday Thursday.

**QUALIFIED** Assistant required; indoors; 3 kept; a thorough knowledge of Dispensing essential. Apply, "Manager," c/o E. C. Perks & Co., 1 Sloane Square, S.W.

**QUALIFIED** Assistant (outdoors), accustomed to Dispensing and Agricultural business, to take charge of Branch; apprentice kept; married man preferred. Usual particulars and salary required to Caunt, Chemist, 46 Bridge Street, Hereford.

**QUALIFIED** Junior required immediately for high-class Dispensing business in residential town in South of England; good opportunity for gaining Dispensing experience. State salary required and usual particulars, enclosing photo if possible, to 238/4, Office of this Paper.

**QUALIFIED** Branch Manager for Channel Islands; active, young, abstainer; Photo knowledge; hours easy; no Sunday; permanency if suitable. State age, height, experience, references, and salary required to 238/13, Office of this Paper.

**QUALIFIED** Assistant, Minor, wanted, aged about 25 years, for well-known City of London business; must be a quick, accurate, and reliable Dispenser; hours 8.30 A.M. to 7 P.M., Saturdays 1 P.M.; no Sunday duty; salary to commence £120. Apply, stating usual particulars, "B." (237/23), Office of this Paper.

**QUALIFIED** Assistant for old-established Mixed business in Lancashire town; references must be satisfactory. State age, salary required, and full particulars to 224/30, Office of this Paper.

**SMART** qualified Assistant as First Counterhand; must be a good Salesman and able to produce satisfactory references. Apply, stating height, age, salary required (outdoors), and enclose photo, to Managing Director, Henry Hodder & Co., Ltd., 5 Nelson Street, Bristol.

**WANTED** in Glamorganshire, an Assistant, capable to control Wholesale and Retail Counter; good Stockkeeper, Bookkeeper, etc.; knowledge of Optics a consideration; good salary to suitable man, not over 40; must have undeniable reference. Apply by letter, to "X." (237/4), Office of this Paper.

**WANTED**, an Assistant for the Retail Counter; outdoors. Apply, giving full particulars, to D. P. Roberts, Chemist, 120 North End, Croydon.

**WANTED** immediately, Junior (indoors). Apply, stating age, experience, etc., and salary required, with photo if convenient, to B. Salter, Chemist, Shrewsbury.

**WANTED**, qualified Assistant; permanency to suitable man; Partnership entertained; good prospects for man without capital who is up to date and not afraid of work; Photographic and medium-class trade. Full particulars to "Opsonic" (239/32), Office of this Paper.

## WHOLESALE.

**INVOICE** Clerk (Junior), age 17-18; must be experienced, quick at figures, neat writer; London Wholesale Druggist. 107/190, Office of this Paper.

**MANUFACTURING** and Wholesale Perfumers require Traveller to call upon Chemists in Wales and the South-West of England. Reply, with full particulars of experience, etc., to 107/3, Office of this Paper.

**NEEDHAMS, LTD.**, Huddersfield, require a Junior, age about 21, for Stocktaker's Office; one who has served an apprenticeship or had experience in the Invoice Department of a Wholesale firm preferred; progressive salary offered to a capable young man.

**PHARMACIST**.—Required, young Pharmacist, in Advertisement Department of a large Wholesale firm; must be an accurate, careful worker, with ability to concentrate attention on details; some knowledge of foreign languages an advantage. Give full details as to age, salary, and experience to 108/63, Office of this Paper.

**REQUIRED**, expert Tablet-maker and Sugar-coater; must be experienced in all branches. Reply, giving full particulars, 235/10, Office of this Paper.

**REQUIRED**, by a leading London firm, a thoroughly competent and experienced Representative to call upon Medical Men in London and Suburbs; must be of good address and accustomed to interviewing Doctors; qualified man preferred. Address, "Salus" (100/10), Office of this Paper.

**REQUIRED** immediately, Clerk, good experience, accustomed to Invoices, good writer, about 25 years of age. Write, 949, Sell's Offices, Fleet Street, London.

**WANTED**, Representatives who have connection amongst Chemists to sell Toilet Soaps; commission basis only. State age, qualifications, and district covered, and apply 108/34, Office of this Paper.

**WANTED**, man with a thorough knowledge of Sundries. Apply in writing, giving full details of experience, age, and salary wanted, to "S. E. A." (228/5), Office of this Paper. Only men whose references will bear the strictest investigation need apply.

**WET Floor**.—Experienced Counterhand, aged about 18, required by Wholesale London Druggist's. Write, stating full particulars of previous experience, wages expected and if disengaged, to 242/33, Office of this Paper.

**WHOLESALE** Druggist, London, requires a smart Assistant for Wet Department, age 20-22; must be experienced. Apply, 107/19, Office of this Paper.

## SITUATIONS OPEN

(Colonial, Indian, and Foreign).

**3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.** Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.

**CAPE COLONY**.—Junior qualified Assistant required for a Coast town, under 26 years of age; unmarried; salary £15 per month first year, £16 second, £17 third; 3 years' agreement; second-class passage paid out. Apply, by letter only, "L." 14 Lafone Street, London, S.E.

**CAPE COLONY**.—Competent Wholesale Counterhand required, used to both Wet and Dry, age about 23 years; unmarried; wages commencing at 50s. per week; 3 years' agreement; passage paid out. Apply, by letter only, "Counter," 14 Lafone Street, London, S.E.



**CAPE TOWN.**—Required urgently, a good qualified Junior Assistant; single; second-class passage paid out; salary £15 per month first year, £16 per month second year, £17 per month third year; sleeping accommodation provided; must be neat and accurate Dispenser. Apply, 39/51, Office of this Paper.

**COLOMBO.**—Qualified Assistant wanted, about 25 years of age, single, good Salesman and willing worker; practical knowledge of Sight-testing an advantage, but not absolutely necessary; salary Rs. 225, 250, 275, and 300 per month in each year for a 4 years' agreement; commission paid on night and Sunday duty of Rs. 40 to 70 per month; this depends upon the Assistant himself to a large extent. Apply, with full particulars, to 51/2, Office of this Paper.

**JAPAN.**—Qualified Junior Assistant, about 23 to 25; unmarried; good appearance and address; smart Salesman and general experience of trade; 4 or 5 years' agreement; salary commencing £120; advance of £15 yearly; free board and lodging; passage paid out and home; healthy climate; first-class English Chemists. Apply, Dakin Brothers, Ltd., 82 Middlesex Street, London.

**RHODESIA.**—Wanted, qualified Assistant; 3 years' agreement; salary £20, £22 10s., £25; first-class Dispensing; knowledge of Photography an advantage. Apply, "Rhod" (98/370), Office of this Paper.

**DRUGGIST** wanted at once for Calcutta; pushing Junior Clerk conversant with Bookkeeping, German, French, and Advertising. Apply, with full particulars, curriculum vitae, and photo, under "Patent" (98/1), Office of this Paper.

**MESSRS. A. S. WATSON & CO., LTD.**, of Hong Kong and Treaty Ports of China, will have vacancies in the early part of next year for one or two qualified Assistants; they must have had first-class Dispensing experience and not be more than 27 years old, and not married; liberal terms for the right men. Address, "Export," 64 Crutched Friars, E.C.

**PACKER** required for Cape Town, not above 30 years of age; unmarried; absolutely useless applying unless thoroughly experienced in Packing Drugs and Druggists' Sundries; passage paid out. Apply, by letter only, "Packer," 14 Lafone Street, London, S.E.

## SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

**NOTE.**—Replies can be addressed to this office and forwarded to the Advertiser for an Additional charge of 6d.

### [HOME.] RETAIL.

**ALL-ROUND** competent and steady man; 39½; active, obliging; used to Management; good appearance and address; single; outdoors. "Chemicus," 8 Harcourt Road, Plaistow, E.

**AS Locum or Manager;** disengaged; reliable; experienced. "Squill," 288 Elgin Avenue, Maida Vale, W.

**AS Locum;** disengaged; qualified; good experience; well recommended. "Drugs," 22 Thorpebank Road, Shepherd's Bush.

**ASSISTANT** (unqualified, young) requires responsible position in good-class business; exceptional Dispensing, Counter, Window-dressing, and Photographic experience; excellent references; disengaged middle November. 236/36, Office of this Paper.

**ASSISTANT;** disengaged one, two, or four half-days at 3 P.M.; best references; take charge or Dispensing. "Antipyrin," 309 Euston Road, N.W.

**ASSISTANT;** 22; 5 years' experience; highest references; good Dispenser and Photographer; outdoors essential. "Optimus," Sheringdan House, Foryd, Rhyl.

**ASSISTANT;** 24; disengaged November 9; first-class Dispensing and Counter experience; London preferred. Evans, "Islwyn," Albert Street, Llanelly.

**ASSISTANT;** 32; single; all best experience; very good Dispenser, Salesman, and Window-dresser; at liberty next Tuesday. Nicholson, 9 Brigham Road, Reading.

**ASSISTANT;** 45; disengaged; Dispensing or Mixed. Jenkins, St. Bride's View, St. Davids.

**ASSISTANT or Branch Manager;** unqualified; experienced; good references. "Immediate," 3½ Salt Mill, Saltash, Cornwall.

**ASSISTANT;** 22; first-class experience; excellent references. "Adonis," 30 Calthorpe Street, Gray's Inn Road, W.C.

**ASSISTANT,** experienced, age 31, tall, desires permanency; outdoors; town or country; good Dispenser Prescriber, and Salesman; able to control; unqualified; highest references. "A. E. T.," 41 Caledonia Place, Clifton, Bristol.

**ASSISTANT;** energetic; experienced; City or S.E.; good references; outdoors; disengaged; capable Manager. "Statim," 22 Kelmere Grove, E. Dulwich.

**ASSISTANT;** 22; wide experience; Dispensing, Counter, Photography. "Rhei," 77 Marine Parade, Worthing.

**ASSISTANT;** thoroughly capable; 29; Retail and Dispensing experience; Photography, Optics (succession in 2 years, capital £450); Post Office not objected to. "Nostrum" (245/3), Office of this Paper.

**BRANCH Manager or Senior;** qualified; 35; tall; single; all-round experience, Dispensing, Photography; references; disengaged; London preferred. "Pharmacist," 7 Grantbridge Street, N.

**BRANCH Manager or Senior Assistant;** unqualified; married; disengaged; London and country experience; well recommended; highest references. Barnett, 11 Surrendale Place, Maida Vale, W.

**BRISTOL or Suburbs.**—Assistant; 10 years' high-class Dispensing and Store experience; will arrange personal interview. "Statim," Colnville, Kensington Hill, Bristol.

**CAPABLE Assistant;** 29; single; reliable; outdoors; unqualified; abstainer; 14 years' good Retail and Dispensing experience; 5 years last berth; Photography, Optics; Midlands or South preferred. "Aspirin," 23 Paget Road, Stoke Newington, N.

**CHEMIST;** 26; first-class references; disengaged. Bryant, "Sunset," Goring Road, Llanelly.

**DISENGAGED;** reliable; unqualified; over 12 years' experience; excellent references. Goodman, Winchcombe, Glos.

**DISENGAGED,** Assistant or Locum; any period; competent, reliable, experienced. "Chemicus," 69f Station Road, Camberwell.

**DISPENSER;** qualified; long experience; outdoors; disengaged; London. "P.," 82 Pendle Road, S.W.

**DISPENSER;** 31; Hall qualification; experienced Institutions, Doctors; married; disengaged. 239/37, Office of this Paper.

**DISPENSER (Lady);** experienced Institutions, Doctors; best references; moderate salary; disengaged. "E.," 82 Rylston Road, Dawes Road, Fulham, S.W.

**EXPERT Salesman** desires appointment as First Counter Assistant; experienced Dispenser; remuneration either by percentage on sales or salary and commission; disengaged. "Opus," 395 High Road, Gunnersbury, W.

**FRANCES & CO.,** Pharmacists, Wrexham, can recommend a Junior who has recently completed his apprenticeship; Junior is tall, obliging, and a good Salesman; Dispensing experience required.

**JUNIOR;** 18½; 4½ years' experience; Window-dresser; Dispensing. Evans, Long Street, Wotton-under-Edge.

**JUNIOR** requires situation; London or large provincial town. Montague, 24 Clifton Road, Maida Vale.

**JUNIOR** (20), 4 years' experience, desires situation in good-class Dispensing business; London or near preferred; tall. "Progress," 97 Fore Street, Ipswich.

**JUNIOR** (20) desires position in a good-class Retail and Dispensing business; London or near preferred; good Dispenser; good appearance; outdoors; disengaged November 13. 240/3, Office of this Paper.

**JUNIOR;** disengaged; Dispensing, Retail, Photographic experience; references. "E. A. S.," The Firs, Aspley Guise, Beds.

**JUNIOR;** 19½; splendid testimonials; accurate Dispenser; good Counter experience; Window-dresser; Photographic knowledge; outdoors. "Conscientious" (238/9), Office of this Paper.

**JUNIOR-IMPROVER,** 5 years' experience, requires situation. "E. G. L.," 39 Queen's Road, Horley, Surrey.

**LADY Dispenser,** with whole qualifications, seeks appointment in Dispensary or Institution; Medical Bookkeeping and Bandaging; highest personal references. Write, "Drug," Scripps's Advertising Offices, 13 South Molton Street, W.

**LANCASHIRE.**—As Assistant or Doctor's Dispenser; unqualified; 12 years' experience; married; steady; Store no objections. 235/8, Office of this Paper.



**L**IVERPOOL or District.—Assistant; long experience; best references. "M., 7 Brierfield Road, Wavertree, Liverpool.

**L**OCUM or Manager; qualified; 47; reliable; excellent references; London and country experience; disengaged; knowledge Photography. T. H. Dewey, Fern Villa, Hulene Avenue, Margate.

**L**OCUM or part-time; wide experience; reliable. "Podophyllin," 9 Stanlake Villas, Shepherd's Bush.

**L**OCUM or temporary Manager; Major; abstainer; reasonable. Haigh, 98 Gibraltar Road, Halifax.

**L**OCUM; unqualified; abstainer; disengaged till December; Dispenser, Photography; references. Bramby, Wibsey, Bradford.

**L**OCUM or Branch Manager; qualified; elderly; references. J. Green, 124 Russell Avenue, Wood Green, N.

**L**OCUM; town or country, or permanency town; exceptional references; wide experience; good Prescriber, Dispenser; skilful salesman. Forster, 5 Coleridge Road, Finsbury Park, N.

**L**OCUM or permanency; 32; unqualified; thoroughly experienced; Dispensing, Prescribing, General Retail; good widow-dresser. Dewar, 133a Coldharbour Lane, Camberwell, S.E.

**L**OCUM; qualified; 32; experience all branches; disengaged; excellent references. "Aspirin," 16 Windsor Road, Ealing.

**M.P.S.** (36), thoroughly experienced, desires Managership; permanency. "Pharmacist," 5 Regent Street, Oldham.

**M**ANAGER; temporary or permanent; steady, reliable, energetic; good all-round experience; good references; unqualified. "Chemist," 1 Egerton Grove, Stretford Road, Manchester.

**M**ANAGER in first-class Dispensing business desires change; best all-round experience; married; 32; small progressive business entertained. 239/34, Office of this Paper.

**M**ANAGER or Assistant, with or without view to succession; opening Dentistry preferred; competent, reliable; first-class Operator; references. "Statim" (239/15), Office of this Paper.

**M**ANAGER or otherwise; 33; wide experience; competent, reliable, energetic salesman; unregistered. 242/29, Office of this Paper.

**M**INOR Student (22), 6½ years' experience, Dispenser, good references, requires London berth; time off for reading. W. Wray, 49 Corporation Road, Grimsby.

**N**O Salary. — German Chemist, qualified, speaking English, French, Italian, wishes to learn English Dispensing; willing to pay for tuition. Apply, 235/9, Office of this Paper.

**P**ART-TIME engagement wanted by Student; Manchester district; good varied experience and references; can take charge; moderate salary. 237/28, Office of this Paper.

**P**ART-TIME required, Student; day or evening; small remuneration. "Nylem," 54 St. John's Wood Road, N.W.

**P**HARMACEUTICAL Chemist desires situation as Manager or other position of trust (outdoors), or as Locum; middle-age; highest references; abstainer. "T., 88 Portedown Road, Malda Vale, W.

**P**HARMACIST; 27; qualified; single; Branch Manager or Assistant; 10 years' experience in good-class Dispensing and Photography; smart and energetic; good references; London (outdoors) preferred. Moore, 47 Grosvenor Road, Leyton, N.E.

**P**HARMACIST, single, with best experience, desires position where tact and conscientious services would merit succession on easy terms; London preferred. "Responsible" (242/28), Office of this Paper.

**P**RACTICAL Photographer seeks engagement; knowledge of Drugs. "Photographer," 3 Station Terrace, Herne Bay.

**Q**UALIFIED (22) desires situation in good-class Dispensing business. Brown, Chemist, Brigg.

**Q**UALIFIED Locum; 26; all-round experience; references. Evans, jun., 76 Willow Avenue, Edgbaston.

**Q**UALIFIED Manager, active (32), married, experienced, up-to-date Counterman and expert Window-dresser, desires good permanency; Seaside preferred; view to interest an inducement. "Spes," 52 Leslie Road, East Finchley, N.

**Q**UALIFIED Manager; 35; 5 ft. 10 in.; 18 years' experience; Photography; married. Parkinson, 280 Franklin Road, King's Norton, Birmingham.

**Q**UALIFIED Chemist and experienced Medical Herbalist seeks berth open to advancement; 8 years in own business; expert Counter Salesman, Specialities and Prescribing; 4 years' Wholesale experience; 32; married; tall; good appearance and address; refer good references. Tildesley, 2 Park View, Thrybergh, Rotherham.

**Q**UALIFIED; first-class Dispensing and Counter experience; highest references; disengaged. A. Maitland, 87 Bury Road, Thetford, Norfolk.

**Q**UALIFIED Dispenser; good experience; disengaged November 11. "Chemist," 48 Coningham Road, Shepherd's Bush.

**Q**UALIFIED; any capacity; wide experience; disengaged November 9. "Pharmacist," 101 Sulgrave Road, Shepherd's Bush, W.

**Q**UALIFIED; 23; 6 years' all-round experience. Evans, 69 Leytonstone Road, Stratford, E.

**Q**UALIFIED Manager; permanency; outdoors; London; reliable, energetic. 53 Southdean Gardens, Wimbledon Park, S.W.

**Q**UALIFIED, experienced Manager; good Dispenser; sound knowledge of West-End trade. "A. J. S.," 28 Silver Crescent, Gunnersbury, W.

**Q**UALIFIED Manager; 29; first-class experience. "Chemist," 10 Richmond Road, Shepherd's Bush, W.

**Q**UALIFIED; Manager or Senior; Scotsman; married; 5 ft. 8½ in.; first-class experience, references, appearance, initiative, and administrative ability; smart, reliable; Photographics thoroughly; disengaged. 239/16, Office of this Paper.

**Q**UALIFIED Manager or Branch Manager; married; reliable; experienced; Photography; references; disengaged; Bristol or near preferred. "Pharmacist," 26 Cleve Road, Knowle, Bristol.

**Q**UALIFIED; 25; Manager or otherwise; London experience; disengaged; outdoors. "Major," 92 Fentiman Road, S.W.

**Q**UALIFIED Manager; competent, trustworthy; all-round experience; abstainer; 31. "A. T.," 3a Oxford Road, Ealing.

**R**ELIABLE man; varied experience, Wholesale, Retail; Proprietary, Manufacturing, Stockkeeping, etc. 1 Railway Approach, Tooting Junction.

**S**ENIOR Counterman or sole charge neglected Branch; London; unqualified; own Drug Store 2 years; practical experience all branches; excellent salesman. 237/26, Office of this Paper.

**U**NQUALIFIED; Dispenser; first-class experience; permanency preferred; outdoors. Jones, Ty'r Eiddew, Dyffryn, Merioneth.

**U**NQUALIFIED Assistant (22), 5 ft. 10 in., time for study, references, desires situation; Manchester or Liverpool preferred. Fargher, 5 Empress Drive, Douglas, Isle of Man.

**U**NQUALIFIED, Assistant or Branch Manager (24), desires permanent berth; 9 years' Dispensing experience; outdoors. Moss, 3 St. Nicholas Street, Hereford.

**U**NQUALIFIED; Manager or Assistant; all-round experience; 15 years last situation; abstainer. "Arnolds," 8 Burnage Range, Levenshulme.

**U**NQUALIFIED Assistant; 27; disengaged; all-round experience; good knowledge of Photography; Cheshire or Lancashire preferred; temporary entertained. A. Pughe, Mone Pharmacy, Llanfairfechan.

**U**NQUALIFIED; 22; good Dispensing and Photographic experience; excellent references; outdoors; disengaged November 11 or 18; South Coast preferred. Martret, 14 Chase Side, Enfield.

**U**NQUALIFIED; Drug-store Manager or Assistant in busy Store; Wholesale and Retail experience; over 11 years' management; married. Dyson, Healey House, near Huddersfield.

**U**NQUALIFIED Assistant; 12 years' experience; Optical, Photography; outdoors; permanency; energetic worker; London preferred. "Rex," 59 Gassiot Road, Tooting, S.W.

**U**NQUALIFIED; 28; all-round experience; outdoors; Liverpool district preferred; disengaged. "X.," 10 Maude Street, Rhyl.

**U**NQUALIFIED; Assistant, Locum, Branch Manager; married; 34; disengaged; abstainer; reliable; moderate salary. "Progress," 61 Highgate Hill, N.

**U**NQUALIFIED; Assistant, Senior, or Branch; competent, reliable; Stockkeeper, Dispensing, Prescribing, Photography; married; 38; abstainer; highest references; permanency; country preferred; not afraid of work. "Aspirin," Alma House, Hillside Avenue, Bitterne Park, Southampton.



**UNQUALIFIED** Assistant; 24; tall; London, provincial experience; Dispensing, Counter, Photography; London districts preferred. Wharton, 12 Camden Row, Blackheath, S.E.

**UNQUALIFIED** Assistant; 27; single; good all-round experience; reliable; excellent references. "Leo" (237/40), Office of this Paper.

**UNQUALIFIED**; disengaged; abstainer; aged 38; capable of Management; up-to-date experience; Prescriber, Photographer, Optical; town or country; good references. Cart. 6 St. George's Road, Ramsgate.

**UNQUALIFIED** Assistant (21) desires time for study or moderate hours; London district for preference; country and Suburban experience; references. Sharman, Lashams, Romford.

**UNQUALIFIED**; competent; 32; 17 years' experience; at liberty now; full particulars in first letter; City or West End only. 242/24, Office of this Paper.

**UNQUALIFIED** Assistant; Eastern Counties or Seaside preferred; West-End experience; excellent counterman and salesman. V. Arnfield, c/o Frank Adams, Ph.C., 56 Marine Parade, Brighton.

**UNQUALIFIED**; permanency, temporary; good general experience; excellent references; abstainer; middle-aged; moderate. "Statin," 66 St. Andrew's, Uxbridge.

**UNQUALIFIED**, competent Assistant; experienced all branches; West-End and Suburban experience; disengaged shortly; age 30. "Aloin," 24 Glenthorne Road, Hammersmith.

**UNQUALIFIED**; age 30; height 6 ft.; first-class experience; good references; window-dresser and salesman, Photographer; as Manager of a Drug Stores. Address, "Alert," Cottenham, Cambridgeshire.

**UNREGISTERED**; Branch; Senior; 20 years' practical experience; Speciality, Prescribing, Dispensing, Veterinary, Extractions, Photography; outdoors; permanency; easy hours before salary; country town preferred. "Competent" (239/24), Office of this Paper.

**WELL-EDUCATED**, gentlemanly Assistant desires permanent situation; free about middle of November. "Unqualified" (238/38), Office of this Paper.

## WHOLESALE.

Trade circulars, samples, and printed matter can in no case be forwarded.

**A. HASTINGS**, 36 Cleve Road, Bristol, 6 years Representative for Yardley & Co., Ltd., Southern Counties (Kent to Cornwall) and South Wales, previously working London, Eastern Midlands, and North, now open to Represent competitive house, whole or part time, Perfumery, Toilet Soap, Essential Oils, Sundries, or Specialities; commissions considered; first-class connection.

**AMBITIOUS** young man (21) seeks position in Drug house; 4 years' experience, Retail. "E.", 76 Fawnbrake Avenue, Herne Hill, S.E.

**MAN**: 36; good General Working Foreman; hard worker, organiser, and economiser; could travel. "Energy" (242/4), Office of this Paper.

**PHARMACEUTICAL** Chemist would like situation with Wholesale firm; would invest small sum if of any advantage. Apply, 237/21, Office of this Paper.

**REPRESENTATIVE** (28), with several years' experience in the Far East, seeks re-engagement; sound connection among foreign and native Doctors and Chemists; could create demand for good Speciality among native population. For full particulars please apply 237/24, Office of this Paper.

**REPRESENTATIVE** (33) seeks berth; single; abstainer; highest credentials; London and provincial experience; Essences, Essential Oils, Perfumery, Toilet Requisites. "Success" (242/6), Office of this Paper.

**TRAVELLER**, well known and introduced amongst Doctors, Chemists, etc., in North of England and North Wales, requires high-class Agency; no side-lines; expenses and commission to be arranged. "Semper" (238/37), Office of this Paper.

**YOUNG** man, age 21, seeks opening as Traveller; 6 years' experience inside. 240/4, Office of this Paper.

## SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.

*This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.*

**BUSINESS** man, for 7 years proprietor of a Wholesale and Retail Chemist's business in Bombay, is open to engagement as Manufacturers' Representative; willing to travel any part of the world. For full particulars please apply, 213/27, Office of this Paper.

**QUALIFIED** Englishman wants Season engagement or permanency; first-class experience. De Buriatte, 67 Rue du Caire, Ostende, Belge.

## MISCELLANEOUS.

**MOADAM & TUCKNISS**, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green.

SHARES FOR SALE (free of commission, subject).—50 Allenbury "A" Preference, 23s. 10½d., 155 "B" Preference, 23s. 6d.; 100 Idris "A" Preference, 4s. 4½d.; 100 Peak Frean Preference, 21s.; 50 W. J. Bush Preference, 81s. 3d.; 100 Sandow's Cocoa £1 fully paid 7 per cent. Preference, 17s.; 100 Pears' Ordinary, 37s. 9d.; 150 A. J. White Ordinary, 2s.; 50 Wright, Layman & Umney Preference, 21s. 1½d.

WANTED (subject).—Evans Lescher Preference, Meggeson Ordinary and Preference, Standard Tablet Ordinary, please offer.

List of Shares for Sale and Wanted sent free on application. Every effort made to effect business for Buyers and Sellers in all stocks and shares. Bankers, London and County and Westminster.

**UNIQUE BARGAINS IN SECOND-HAND FITTINGS**.—12-ft.

Mahogany and Plate-glass Counter, £8 17s. 6d.; 6-ft. Bent-plate Counter-case, with Serving and Display Shelves, 90s.; Perfume Case and Desk, Mahogany and Plate Glass, 55s.; 6-ft. very handsome Screen and Counter, £13 10s.; 10-ft. Mahogany Wall-case, fine design, £14 10s.; 5-ft. Bent Counter-case, with Display and Serving Shelves, 62s. 6d. JOSEPHS, 93 Old Street, London, E.C.

**PRINTING FOR CHEMISTS**.—Labels, Wrappers, Lists, Folders, Handbills, Stationery; first-class up-to-date work at very low prices; it costs you nothing to see samples and get quotations; Handbills from 10,000 10s. 9d.; Prescription-envelopes, 1,000 4s. 3d.; Billheads, Memos., Cards, 1,000 3s. 9d.; all carriage paid; established 1895. Walter Knight (C.), Printer, Rushden, Norths.

## "IS IT LIABLE TO MEDICINE STAMP DUTY"?

This question is easy to answer if you have at your desk one of the new C. & D. chart-cards showing grounds of liability and exemption. Sent post free for four penny stamps. The Publisher, 42 Cannon Street, London, E.C.

**SECOND-HAND CHEMISTS' FITTINGS**.—We have an exceptionally fine selection of these in all sizes; prices are right and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, E.C.

**CHEMISTS' SHOPFITTINGS** (second hand).—Ranges Mahogany Drawers, Bevelled Edged, Glass Labels, Cut-glass Knobs, Shelving, Lockers; Mahogany Dispensing-screens; Glass-fronted Counters; Piano-fronted Wall-case, Mirror Centre; Bent Front Counter-cases; Desks; complete Shop-rounds, Window Backs, Glass Shelves, etc.; extensive stock; give-away prices; high-class Fittings, bang up to date; Estimates. D. MATTHEWS & SON, 14 & 16 Manchester Street, Liverpool.

**CHEMISTS' Shopfittings**.—Window Enclosures, Showcases, Silent Salesman, Dispensing Screens, Wall-cases, Perfume-cases, Glass-front Serving Counters, Drug Drawers, Counter Drawers, second-hand, shop soiled, at unbeaten prices; you can't do better; 30 years fitting Pharmacies. Send for free estimate, George Cook, The Working Shopfitter, 30 Buttesland Street, East Road (near Old Street Tube Station).

**M'QUEEN'S** System of Accounts for Chemists; works out gross and net profits, balance sheet, and income-tax return with guaranteed certainty; a work well known and considered indispensable by progressive Chemists (Tenth and improved Edition). Full particulars and testimonials, post free, McQueen & Co., Moat Road, E. Leicester.



**CHEMISTS' FITTINGS** (bargains).—16-ft. Drugfitting, mirror Poison Cupboards, Cornice complete, £14 10s.; Mahogany Plate-glass Wall-case, 10 ft., £13 10s.; Mahogany Plate-glass 7-ft. Dispensing-screen, bevelled mirror centre, £5; Serving Counter, 12 ft., Glass Doors, Mahogany Top, £7 10s.; Nests of strong Counter Drawers, from 27s. 6d.; Mahogany and bent Plate-glass Counter-cases, 4 ft. 75s., 5 ft. 87s. 6d., 6 ft. 97s. 6d.; all goods as new. Send for sketches to H. Mills, Chemists' up-to-date Shop-fitter, Shop Front Builder, Steam Works, 163-5 Old Street, E.O.

### SHOPS ACT, 1912.

Shop Inspectors are looking sharply at Chemists' shops. Medicines and Medical and Surgical Appliances may be sold during closed hours if the statutory notice is exhibited. Two cards are necessary, and will be sent post free on receipt of eight penny stamps, The Publisher, 42 Cannon Street, London, E.O.

## CHEMISTS' TICKETS!

**F. MERTEN & CO.** Advise all Chemists (before placing their orders) to write for Samples of their —  
**MOST SELECT, EFFECTIVE, & CHEAPEST WINDOW TICKETS OBTAINABLE;** also a Specialty of theirs is the production of Display Figure-Sketch Cards, portraying various ailments, etc.

Write at once—72 MARLBOROUGH RD., UPPER HOLLOWAY, LONDON, N., to obtain satisfaction.

## OPTICAL DIPLOMAS.

Experienced and successful coaching for the S.M.C. and B.O.A. Examinations by correspondence and personal tuition. Success guaranteed in a few months by our method to students willing to work hard. Reasonable terms based partly on results. Apply Secretary,

**DIOPTRIC ASSOCIATION, 25 & 26 Hart St., Holborn, W.C.**

## THE CHEMISTS' FRIENDLY SOCIETY.

### IMPORTANT NOTICE!

Members who have not yet returned their first quarter's cards and Insurance books, both signed, to me, might please do so at once.

All Members' books will be returned in the course of the next few weeks.

**WILLIAM McCALLUM, Manager, C.F.S.,**  
194 St. Vincent Street, Glasgow.

## EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No advertisement inserted for less than 6d.

### FOR DISPOSAL.

### BOOKS AND PERIODICALS.

"EXTRA PHARMACOPEIA," '98, nearly new; Muter's "Chemistry"; Wills' "Materia Medica," with notes. Offers, "EUTHYMOL," 22 Devonshire Road, Stockwell.

### DENTAL.

AMERICAN pump chair for disposal; cost £35. "DENS" (240/10), Office of this Paper.

### DRUGS AND CHEMICALS.

1-oz. original bottle finest virgin otto rose, 50s., cash with order; no exchange. PALMER, Thornbury, Glos.

SURPLUS Stock. — Carboy formaldehyde pur. 40 per cent.; 30 gals. sesame oil, extra; what offers? 221/6, Office of this Paper.

### WHAT A NEW CLIENT SAYS:

"Pleased to say had a substantial increase in business last week." That is what you want. Increased sales of own specialties, mean more profits. Up-to-date ideas in advertising, window shows and new specialties are my speciality. Send 1d. stamp for Booklet explaining my methods, with samples (on approval) of my new idea in advertising. Pharmacists only supplied. How to fight the Yankee advertiser in this month's letter.

**BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD.**

## PROPRIETARY ARTICLES.

32 1s. 4d. Cooper's dip; 1 oz. (unopened) morph. acet. s (British Drug Houses); best offer accepted. 107/320, Office of this Paper.

SIX 2s. 9d. Sirolin; 10s. or best offer. OSBORNE, Wiveliscombe, Somerset.

ONE Vogelers, 8 1s. 1½d. Cure-I-Can, 1 sulpholine lotion, 2 Du Barry's food, 2 No. 1a Hearne's bronch. cure, accept half price; 6 doz. 1s. plate-powder, 1s. 6d. doz.; 1 doz. 6d. Rubwell, 3s. RIDING, Crookes, Sheffield.

ONE 89U globe, cheap; also 1 4s. Roche's embrocation; 1 1s. 1½d. Crosby's elixir, 1 2s. Dr. Rooke's Lixille; 3 2s. Prairie Flower; 2 2s. Gordon's ext.; 4 1s. 1½d. St. Jacobs oil; 2 2s. 6d. Pepper's quinine tonic; 1 2s. 9d. Warner's Safe Cure; 1 4s. Lactopeptine; 1 2s. 3d. Cuticura ointment. Offers, Prust, Chemist, Cardiff.

## SHOP FITTINGS.

FIRST £5 will buy dispensing counter and screen, 6-ft. mahogany 2-top cases fitted mirror backs, centre deep sponge case bottom, marble slab with mirror over, 2 lower cases ebonised shelves and back; packed on rails free; room wanted. Also 2 2-gall. pear-shape carboys, May Roberts fig. 1, plain stoppers, half list price. HUGHES, Pharmacy, Melksham, Wilts.

## MISCELLANEOUS.

OVERSTOCKED.—Fine velvet sponges, bleached, a good 10½d. line, about 150 pieces. Sample post free 7 stamps, SNOW, Chemist, Marlow.

WHAT offers?—3 1-pint Sauerin apparatus; 2 lb. sulphonol B.P.; 8 oz. acetanilidum; all in new condition. 107/70, Office of this Paper.

BAKER'S patent powder mixer, No. 3, complete with extra drawer, perfect condition, only used twice; what offers? JOHN DAVIES, Pharmaceutical Chemist, Llanelly.

OPTICAL trial case, a gross assorted lenses, frames, cases, etc., all new; also number of steel dental forceps, 8 plated ditto in leather wallet; sell cheap, or exchange good camera. CORRY, Park Street, E. Cowes.

PERSONAL weighing-machine c. height standard, cost 35s., nearly new, 20s.; small trial case, stock frames, etc., cost £18, accept £7 10s. cash; Dade loose-leaf ledger, with index and leaves, cost 50s., accept 20s.; saleable patents accepted. 239/23, Office of this Paper.

## WANTED.

WANTED, counter drug scales, Fairbank's tar soap. WILKINSON, 59 Wakefield Road, Normanton.

SHOPFITTINGS, mahogany, 8 ft. 6 in. in height. Apply, BOOTH, 118 Ewell Road, Surbiton Hill, S.W.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

FRENCH Codex, recent edition. EASTLAND, High Street, Margate. MAJOR Notes complete. State price, "MAJOR" 39 Englewood Road, Clapham.

WANTED, "Strand" and "Windsor," posted 14th, exchange "Pharmaceutical Journal" posted Sundays. ROE, Swallowbeck, Lincoln.

## ADDRESSES WANTED.

PRESENT address of Mr. E. M. Marshall, formerly with Messrs. Burgoyne, Burbidges & Co. and Messrs. Proest, Ltd. 100/68, Office of this Paper.

R. U. A.

PHOTO

CHEMIST.

BERNARD SLACK, 9 King Street, WOLVERHAMPTON.

As a special treat to such, just to show the class of Brainy ideas, I send out for Postal Order 5/-, will send you three long Advertisers or Tips on how another Chemist makes money in that department. Worth 45 to you. Booklet free. "How to Increase Chemists' Businesses."



## The Shops Act, 1912.

The following are brief particulars of recent local arrangements:

**Hornsey.**—The Town Council on October 28 considered two enclosures from Mr. A. E. Bailey, chemist and druggist, 64 High Street, Highgate, relating to the Shops Act. One was a request signed by twenty-four chemists in Hornsey asking that Thursday be fixed as the half-day, with the special exception of a chemist living near the borough eastern boundary, who asked for Wednesday. A closing order was also asked for, the hours in one part of the borough to be nine o'clock on Mondays, Tuesdays, Wednesdays, and Fridays, and ten o'clock on Saturdays, and the hours in the other parts of the borough to be an hour later on each day. The committee recommended the granting of the requests. After considerable discussion as to whether it was right to coerce the chemist who wished to remain open, the report was agreed to unanimously.

**Kensington.**—The Borough Council was asked last week whether a duly signed request was received from the chemists of North Kensington in April last in favour of a compulsory closing order being made. Councillor Colville replied in the affirmative, but added that in the absence of any arrangement having been come to for the delegation of powers under the Shops Act the committee were not in a position to take any action, and the memorialists were so informed.

**Liverpool.**—The Home Office has this week notified its approval of the closing order for chemists outside the exempted central area.

**Smethwick.**—The Town Council has received from the Home Secretary confirmation of an order for chemists to close on Wednesdays at 1.30 P.M.

## OUR GERMAN LETTER.

(Special Correspondence to the "C. & D.")

The two new Institutes for scientific research at Dahlem, erected on the site of the former institution, and entitled the Kaiser Wilhelm Institute and the Kaiser Wilhelm Institute for Physical and Electro Chemistry, were opened on October 23 in the presence of the Kaiser and a large circle of well-known scientists. The director of the Institute is Professor Beckmann. The inaugural addresses were delivered by Professor Fischer and Professor Harnack. The Minister of Instruction expressed his thanks in a few words on receiving the new Institutes into the custody of the State. He also stated that Privy Councillor Koppel, to whom the foundation of the Institute for Physical Chemistry is due, had given a further 300,000m. for additional buildings. The Kaiser then rose and expressed his thanks to all the founders of the Institutes, and hoped that the combined efforts of the State and of private means would serve as an emblem for the support of scientific research. He also wished to express his acknowledgment to the architects for the imposing building. As that day was principally devoted to chemistry, he considered it appropriate to inform the assembled company that by reason of the terrible mining catastrophes which had occurred in recent years he had applied, through the head of the Civil Cabinet in Essen, first to representatives of chemistry and then to technical colleges, asking them to submit plans and proposals to him, in order to show in what way, perhaps by the science of chemistry, preventive arrangements could be made to protect the underground workers. He was thinking of un-injurious chemical preparations which should warn the men and the officials in charge of the approaching danger by means of a conspicuous change. He hoped that the Society would continue to further the cause of science, and that the necessary means would continue to be found for the obtaining of scientific implements. The Kaiser concluded his address by saying that the large number of eminent men there assembled was a guarantee that the Kaiser Wilhelm Society would in the future continue its useful work for the nation. A tour of inspection through the Institute followed, and the Kaiser showed a keen interest in the demonstrations of various apparatus. An assembly of the members of the Society followed, at which Professor Harnack expressed his thanks to the Kaiser, and informed the company that several new Institutes are about to be founded in Germany: one in Mülheim for coal research, also a clinical Radium Institute and a Students' Society,

where the theoretical principles of aerial navigation are to be promoted. One of the principal duties of the Kaiser Wilhelm Society would be the furtherance of biological studies, and for this purpose the Zoological station in Rovigno has been acquired. The Society has also partly helped to equip an expedition for combating sleeping sickness in New Cameroen.

## WILLS PROVEN.

THE late Robert Sutherland, druggists' sundriesman, Glasgow, left estate amounting to 2,185l.

ALDERMAN THOMAS SNAPE, Bentley Road, Princess Gate, Liverpool, who died on August 9, left estate of the gross value of 11,409l. 4s. 9d., of which the net personalty has been sworn at 5,611l. 17s. 10d.

DR. JOHN WADE, D.Sc., F.I.C., Hunstanton Lodge, Downe, Kent, who died on August 15, left estate of the gross value of 3,360l. 17s. 8d., of which the net personalty has been sworn at 3,270l. 9s. 1d.

ALDERMAN THOMAS FIDLER, Clifton Road, Newbury, Berks, chemist and druggist, who died on August 4, left estate of the gross value of 1,646l. 5s. 7d., with net personalty nil.

MR. GEORGE BURDEKIN, Clifton Terrace, Prescott Road, St. Helens, Lancs, commercial traveller, formerly chemical-works manager, traveller for the United Alkali Co., Liverpool branch, who died on September 23 last, aged fifty-six, left estate valued at 847l. 3s. 2d. gross, of which 824l. 12s. 8d. is net personalty.

MR. JOHN MORTIMER, William Street, Londonderry, chemist, of the firm of Messrs. J. Mortimer & Co., William Street, who died intestate on May 6, left personal estate valued at 1,897l. 12s. 4d. Administration of his estate has been granted to his widow, Mrs. Mary Mortimer, 1 Marlborough Street, Londonderry.

MR. WILLIAM PALETHORPE, Victoria Villa, Long Acre, Bingham, chemist and druggist, who died on September 7, aged seventy-four, left estate of the gross value of 8,078l. 4s. 2d., of which 6,907l. 16s. 10d. is net personalty; and probate of his will has been granted to his son, Mr. Arthur James Palethorpe, Victoria Villa, Long Acre, aforesaid, maker of medical capsule plant, and his daughter, Mrs. Lizzie Pell, wife of Mr. Richard Pell, of 119 Mansfield Road, Nottingham. The testator left his wife, Mrs. Jane Palethorpe, the income from his estate for life, and subject to her interest he left his premises Victoria Villa and 900l. to his son Arthur, and one-half of the residue of his estate and the other moiety he left upon trust to pay 500l. to his daughter, Lizzie Pell, and hold the balance upon trust for his said daughter for life, with remainder to her children.

## TRADE-MARKS.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for 1s.) and lodged with Mr. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

The figures in parentheses refer to the classes in which the marks are desired.

(From the "Trade-marks Journal," October 16, 1912.)

"MIKA TOILET-PAPER" and label design; for non-medicated toilet-paper (39). By J. R. Crompton & Bros., Ltd. 2 Queenhithe, London, E.C. 344,941.

"RONO": for preparations for the hair (48). By Noble & Co., Imperial Buildings, Ludgate Circus, E.C. 343,184. Portrait with words "SAMUEL FRIPP, A.D. 1745"; for perfumery, etc. (48). By C. Thomas & Bros., Ltd., Broad Plain Soap-works, Bristol. 344,652.

"SILVER-FOAM"; for all goods (48). By C. Flint, 269 Brownhill Road, Catford, S.E. 344,985.

"CLAYSILLA": for toilet-cream (48). By E. G. Power, 52 Derby Street, Newcastle-on-Tyne. 345,180.

(From the "Trade-marks Journal," October 23, 1912.)

"NEUTRALON": for pharmaceutical products (3). By C. A. F. Kahlbaum, 18c Kaiser Wilhelmstrasse, Berlin. 343,872.

"VERITE"; for perfumery, etc. (48). By Imanuel & Dusswald, 33 Fichardstrasse, Frankfurt-on-the-Main. 336,745.

"OLIVIA": for perfumery, etc. (48). By C. Thomas & Bros., Ltd., Bristol. 345,016.



## COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Monday, November 4.

**Society of Chemical Industry, London Section**, Burlington House, Piccadilly, W., at 8 p.m. Messrs. Clayton Beadle and H. P. Stevens on "The Nitrogenous Constituent of Para Rubber and its Bearing on the Nature of Synthetic Rubber"; Mr. A. J. Hale on "The Corrosion of Metals and Alloys in Various Solvents"; Messrs. A. E. Dunstan and J. F. Stevens on "The Viscosity of Lubricating Oils."

Wednesday, November 6.

**South-West London Pharmacists' Association**, Wandsworth Town Hall, High Street, Wandsworth, at 6.30 p.m. Election of officers and address by Mr. E. T. Neathercoat on "The National Insurance Act and its Relation to Pharmacy." The Hon. Secretary, Mr. W. E. Mason, 89 Acre Lane, Brixton, will be pleased to hear from local chemists who are unable to be present at the meeting.

**Chemists' Assistants' Association**, Crown Room, Holborn Restaurant, London, W.C., at 8 p.m. Annual reunion, Mr. C. W. Martin in the chair. Tickets (1s. 6d. each) from Mr. A. R. Arrowsmith, 4 Stratford Place, Oxford Street, London, W.

**Edinburgh Chemists', Assistants', and Apprentices' Association**, 36 York Place, at 9.15 p.m. Mr. Henry Stout: Inaugural address on "The Study of Field Botany."

**Leeds Chemists' Association**, Great Northern Hotel, at 6.30 p.m. Annual dinner. Tickets (3s. 6d. each) from Mr. R. G. Shaw, 93 Dewsbury Road.

**Liverpool, Birkenhead, and Wirral Chemists' Associations**, Bear's Paw Restaurant, Lord Street, Liverpool, at 8 p.m. Smoking-concert in aid of the Benevolent Fund of the Pharmaceutical Society of Great Britain. Tickets from Mr. W. F. Laycock, Hon. Secretary, 157 Earle Road, Liverpool.

**Nottingham Pharmaceutical Association**, Victoria Station Hotel, at 8 p.m. Social meeting.

Thursday, November 7.

**Chemical Society**, Burlington House, London, W., at 8.30 p.m. The papers to be communicated include: "Methylbenzyl-, Ethylbenzyl-, and Allylammonium Nitrites," by Dr. P. C. Ray and Mr. R. L. Datta; "The Oxidation of Aconitine," by Mr. F. H. Carr; "The Constituents of *Cluytia Similis*," by Messrs. F. Tutin and H. W. B. Clewer; "Pilosine: A New Alkaloid from *Pilocarpus Microphyllus*," by Mr. F. L. Pyman; "Note on the Alkaloids of *Pilocarpus Racomisus*," by Dr. H. A. D. Jowett and Mr. F. L. Pyman; and "Contributions to the Chemistry of the Terpenes, Part XIV.—The Oxidation of Pinene with Hydrogen Peroxide," by Messrs. G. G. Henderson and M. M. J. Sutherland.

**Great Yarmouth Pharmaceutical Association**, 156 King Street, at 7.30 p.m. Monthly meeting.

**BRADFORD PHARMACISTS' ASSOCIATION**.—The annual dinner will be held at the Victoria Hotel on November 13. Tickets (3s. 6d. each) from Mr. W. E. Metcalf, 95 Bingley Road, Shipley.

**STOCKPORT PHARMACISTS' ASSOCIATION**.—The annual dinner will be held in the White Lion Hotel, Underbank, on November 21. Mr. J. Rymer Young will be present. Tickets (4s. 6d. each) from Mr. A. E. Mills, 135 Shaw Heath, Stockport.

**SOUTH-EAST ESSEX PHARMACISTS' ASSOCIATION**.—The annual meeting and smoking-concert will be held at the Hotel Victoria, Southend, on November 13. Particulars from Mr. E. A. Holloway, Hon. Secretary, Broadway, Southend.

**PHARMACEUTICAL FOOTBALL CLUB**.—The annual smoking-concert of the School of Pharmacy Football Club is to be held on November 26 in the Council-chamber of the Holborn Restaurant, London, W.C. Mr. W. F. Gulliver will be in the chair. Tickets (2s. each) may be had from Messrs. L. F. Gore and T. M. Simpson, 17 Bloomsbury Square, London, W.C.

**BRITISH OPTICAL ASSOCIATION**.—The examinations in the dioptric grade will be held at the following centres on the opening dates mentioned: Manchester Municipal School of Technology (November 5), London University (November 27), and Glasgow Royal Technical College (November 27).

**CHEMISTS' ASSISTANTS' ASSOCIATION**.—A Cinderella dance will be held in the Throne Room of the Holborn Restaurant on the evening of December 12 at 7.30. Mr. C. W. Martin will act as M.C., and the Clement Harris Band has

been engaged. Tickets (single 5s. 6d. and double 10s., including supper in the Grand Salon) can be obtained from any of the stewards—namely, Messrs. A. R. Arrowsmith, P. Cheetham, H. R. Culling, R. D. Dixon, A. Francis, F. W. Gamble, F. J. Murphy, P. B. Phillips, C. S. Present, W. Roberts, J. W. Royle, and B. R. Wilkinson—or from the Hon. Secretaries, Messrs. A. Haigh and F. Naylor, The Dispensary, St. Bartholomew's Hospital, London, E.C.

## POISONING FATALITIES.

NINE fatalities, of which four were misadventures, have been chronicled this week.

**Acetic Acid**.—Bertram Moreton, aged two, died from accidental poisoning by glacial acetic acid.

**Aconite and Camphor** taken in the form of a liniment killed John Hayes (71), ironfounder, Reading. An open verdict was found at the inquest.

**Ammonia**.—The three-year-old son of a Bradford man, named Ayrton, obtained a bottle of ammonia from a table, and drank some with fatal results.

**Chloroform** was used as a suicidal agent by David Theodore Lichtenstein, analyst, at West Hampstead.

**Irritant Poison**.—At a Weston inquest held on the body of Jessie Salome Abbott (9), the daughter of a farm foreman, the evidence showed that the child had been given, when ill, several doses of Nicholl's Pain Cream. She afterwards became worse, dying two days later. The mother stated that she gave only the prescribed dose of five drops on four separate occasions, but it was alleged that she had made a statement to a witness that the dose given was half a teaspoonful. Medical evidence was given by Dr. Bone that death was due to an irritant poison. He stated that the doses of five drops would not have been sufficient to cause the child's death, but the larger doses of half a teaspoonful might have produced fatal results. The jury returned a verdict that death was occasioned or accelerated by use of the medicine mentioned, and they expressed the opinion that restrictions should be placed upon the sale of preparations of this character, and that they should not be obtainable from ordinary shopkeepers.

**Morphine**.—At the inquiry into the death of Annie Josephine Heald (33), the wife of a Leeds divisional police-surgeon, it was stated that a *post-mortem* examination showed 4.1 grains of morphine in deceased's stomach. Mr. Alexander Gemmell, chemist, Edinburgh, deposed that two pills found in deceased's purse contained 0.2958 grain of morphine hydrochloride in a mass weighing 0.9902 grain. Dr. Heald said he had given his wife two 4-grain morphine pills, and that she had access to the keys of his poison-cupboard. A verdict of "Death from poisoning by morphia, but there is not sufficient evidence to show by whom it was administered," was returned.

**Prussic Acid**.—Mr. William Hastings, chemist, living in lodgings at 2 Kirk Street, Leith, but who came from Forfar and had been for some time employed in a Leith pharmacy, died in Leith Hospital on October 27 from prussic-acid poisoning.

**Salt of Lemon**.—At Dewsbury, Henry Bennett, rent-collector, poisoned himself with this chemical.

**Veronal** in accidental overdose ended the life of Thomas Shaw (45), theatrical agent, Kingston-on-Thames.

**PERSONAL**.—Mr. James Welch, of Thomson & Taylor, Bombay, is now convalescent from enteric fever, and has gone to the hills to recuperate. Mr. J. Emerson, of the same firm, arrived from England by the last mail boat.—Mr. W. Lang and Mr. J. Smith, representing Southall Bros. & Barclay, Ltd., have left Bombay for their usual tour in India.

**COCAINE SMUGGLING**.—J. C. Schmidt, a German subject, has been sentenced to four months' imprisonment at Bombay for having imported and possessed 480 oz. cocaine without a pass or licence. The Magistrate informed the pleader for the defence that he would give no option of a fine, but subsequently application was made to the High Court, where further proceedings will be taken, Schmidt being released on bail of Rs. 5,000.—After many nights' anxious watching, the Customs Preventive Service at Bombay have captured two bags found to contain 185 packets of cocaine packed in three I.R. air-pillows; the total weight was 46 lb., and the value Rs. 80,000, or 5,333l. The cocaine was brought to Bombay by the s.s. *Semiramis* (Austrian-Lloyd) from Trieste, but the man who had it succeeded in evading arrest.



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